HITACHI
SERVICE MANUAL

YK | No.0420E

CT7897B

NTSC | A1LXU-M/R Chassis

R/C:CLU-660PR

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CAUTION: Before servicing this chassis, it is important that the service technician read the "Safety Precaution" and "Product Safety Notices" in this Service Manual.

TECHNICAL SPECIFICATIONS

ANTENNA INPUT IMPEDANCE 75Ω (300Ω)
CHANNEL COVERAGE
- VHF BAND ..... 2~13
- UHF BAND ..... 14~69
- CATV MID BAND ..... A-5~A-1, A~I
- SUPER BAND ..... J~W
- HYPER BAND ..... W+1~W+28
- ULTRA BAND ..... W+29~W+84

RECEIVING CHANNEL ..... 181 ch
CHANNEL INDICATOR ..... DIGITAL/ON SCREEN
INTERMEDIATE FREQUENCY
- Picture I-F Carrier ..... 45.75 MHz
- Sound I-F Carrier ..... 41.25 MHz
- Sound I-F ..... 4.50 MHz

POWER INPUT AC120V, 60Hz
POWER RATING 165W
CONVERGENCE ..... Self convergence
FOCUS ..... Electrostatic
PICTURE TUBE M68JUA98X01
SPEAKER ..... 2 Woofers (60 x 120 mm)
2 Tweeters (φ50mm)
Center Woofer (φ100mm)
SOUND OUTPUT ..... 7W x 2 (SIDE)
7W (CENTER)
DIMENSIONS
- W ..... 687 mm
- H ..... 582 mm
- D ..... 513 mm

WEIGHT ..... 42.0 kg

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.

SOLID STATE COLOR TELEVISION

December 1991 **YOKOHAMA WORKS**

SAFETY PRECAUTIONS

NOTICE: Comply with all cautions and safety related notes located on or inside the cabinet and on the chassis or picture tube.

WARNING: Since the chassis of this receiver is connected to one side of the AC power supply during operation, whenever the receiver is plugged in, service should not be attempted by anyone unfamiliar with the precautions necessary when working on this type of receiver.

The following precautions should be observed:

1. Do not install, remove, or handle the picture tube in any manner unless shatterproof goggles are worn. People not so equipped should be kept away while picture tubes are handled. Keep picture tube away from the body while handling.
2. When service is required, an isolation transformer should be inserted between power line and the receiver before any service is performed on a "HOT" chassis receiver.
3. When replacing a chassis in the receiver, all the protective devices must be put back in place, such as barriers, non-metallic knobs, adjustment and compartment cover-shields, isolation resistors-capacitors, etc.
4. When service is required, observe the original lead dress. Extra care should be taken to assure correct lead dress in the high voltage circuitry area.
5. Always use the manufacturer's replacement components. Especially critical components as indicated on the circuit diagram should not be replaced by other manufacture's. Furthermore where a short circuit has occurred, replace those components that indicate evidence of overheating.
6. Before returning a serviced receiver to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the receiver by the manufacturer has become defective, or inadvertently defeated during servicing.

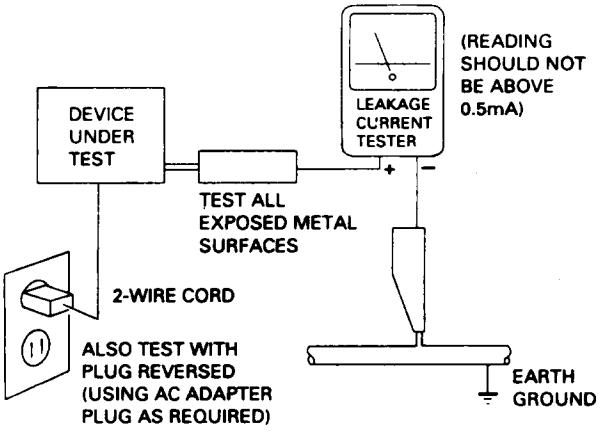
Therefore, the following checks should be performed for the continued protection of the customer and service technician.

Leakage Current Cold Check

With the AC plug removed from the 120V AC 60Hz source, place a jumper across the two plug prongs. Turn the AC power switch on. Using an insulation tester (DC500V), connect one lead to the jumpered AC plug and touch the other lead to each exposed metal part (antennas, screwheads, metal overlays, control shafts, etc.), particularly any exposed metal part having a return path to the chassis. Exposed metal parts having a return path to the chassis should have a minimum resistor reading of 0.24MΩ and a maximum resistor reading of 5.2MΩ. Any resistance value below or above this range indicates an abnormality which requires corrective action. Exposed metal parts not having a return path to the chassis will indicate an open circuit.

Leakage Current Hot Check

Plug the AC line cord directly into a AC 120V 60Hz outlet (do not use an isolation transformer for this check). Turn the AC power switch on. Using a "leakage Current Tester (Simpson Model 229 or equivalent)", measure for current from all exposed metal parts of the cabinet (antennas, screwheads, metal overlays, control shafts, etc.), particularly any exposed metal part having a return path to the chassis, to a known earth ground (water pipe, conduit, etc.). Any current measured must not exceed 0.5mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE RECEIVER TO THE CUSTOMER.

High Voltage

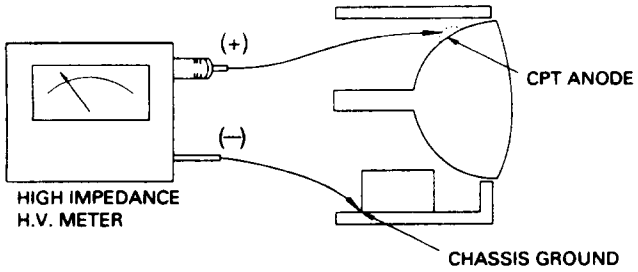
This receiver is provided with a hold down circuit for clearly indicating that voltage has increased in excess of a predetermined value. Comply with all notes described in this Service Manual regarding this hold down circuit when servicing, so that this hold down circuit is operated correctly.

Serviceman warning

With minimum Black Level and Picture, the operating high voltage in this receiver is lower than **34.0kV.** In case any component having influence on the high voltage is replaced, confirm that high voltage with minimum Black Level and Picture is lower than **34.0kV.**

To measure H.V. use a high impedance H.V. meter. Connect (–) to chassis earth and (+) to the CPT anode button (See the following connection diagram).

NOTE: Turn the power switch off without fail before the connection to the Anode button is made.



X-radiation

TUBE: The primary source of X radiation in this receiver is the picture tube. The tube utilized in this chassis is specially constructed to limit X radiation emission.

For continued X radiation protection, the replacement tube must be the same type as the original, HITACHI approved type.

When troubleshooting and making test measurements in a receiver with an excessive high voltage problem, avoid coming unnecessarily close to the picture tube and the high voltage component.

Do not operate the chassis longer than is necessary to locate the cause of the excessive voltage.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in HITACHI television receiver have special safety related characteristics. These are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual. Electrical components having such features are identified with a ⚠ mark in the schematics and parts list in this Service Manual.

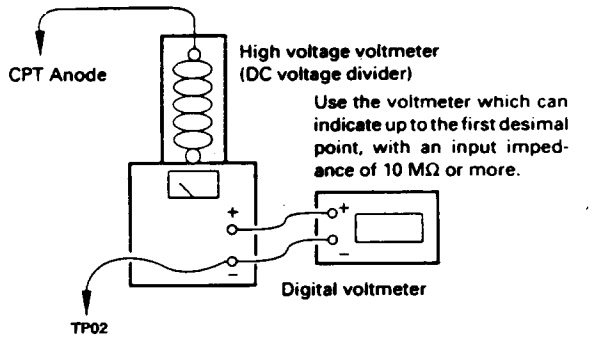
The use of a substitute replacement component which does not have the same safety characteristics as the HITACHI recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, X-radiation, or other hazards.

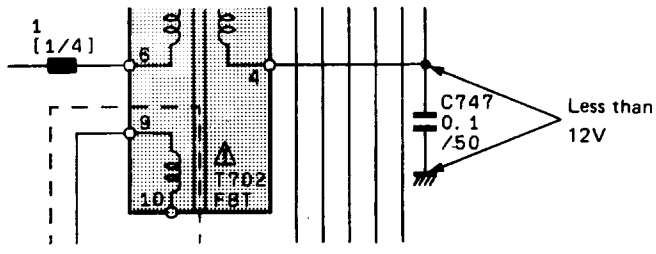
Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current HITACHI Service Manual. A subscription to, or additional copies of, HITACHI Service Manual may be obtained at a nominal charge from HITACHI SALES CORPORATION.

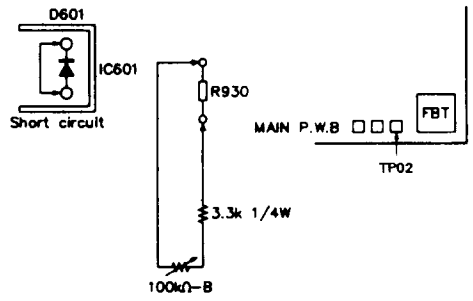
TECHNICAL CAUTIONS

High voltage limiter circuit operation check

1. Connect the high voltage voltmeter between the CPT anode terminal (anode cap) and ground (TP02) as shown in the diagram.
2. Set the AC input voltage to **120±3V.**
3. Receive the broadcast signal and set the picture level and the black level to maximum. Adjust the screen VR and sub brightness VR so that beam current is **1.35** ± 0.1mA. (The voltage at ABL terminal of FBT – between both ends of C747 – should 12V or less at this time.)
4. Check that the constant high voltage is **28.0** ± 1.0kV at this time.
5. Set the AC input voltage to 100 ± 5V and then short-circuit both ends of D601 and connect the jig to the R930.
6. Leave the settings of the picture, black level and screen VRs as in item (3) and gradually increase the AC input voltage. Check that the picture disappears when the **high voltage is 31.3kV±1.2kV.**
7. Turn the switch of the set off immediately after checking that the picture disappers.


CPT Anode
High voltage voltmeter
(DC voltage divider)
Use the voltmeter which can indicate up to the first desimal point, with an input impedance of 10 MΩ or more.
Digital voltmeter
TP02



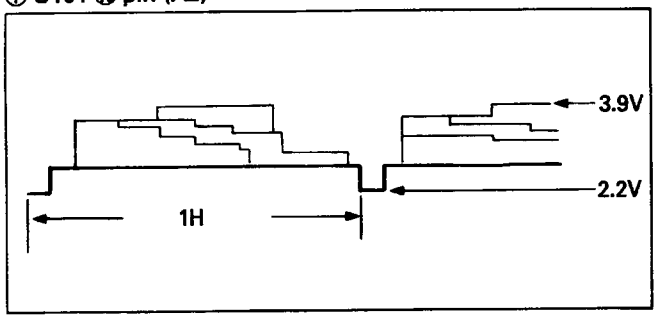


WAVEFORMS AT EACH SECTION

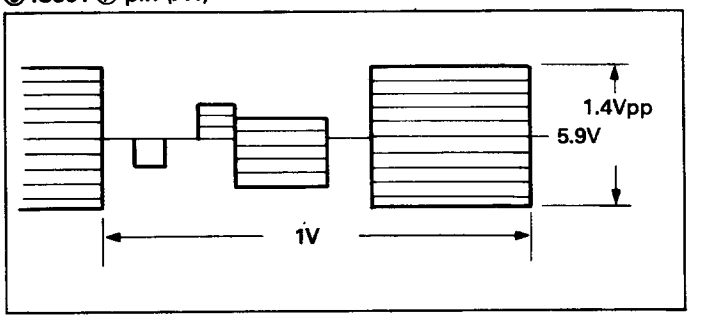
Numbers inside ( ) correspond to locations shown in the circuit diagram.

MAIN P.W.B. 1/2

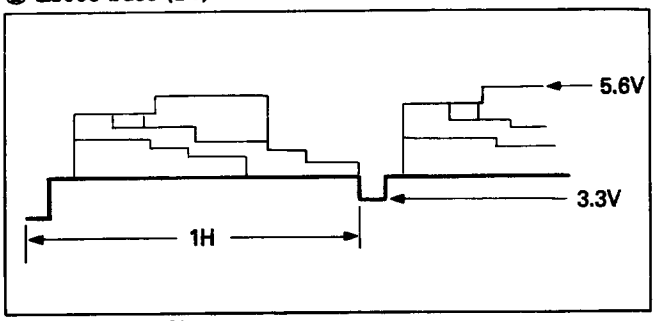
① U101 ⑬ pin (A2)



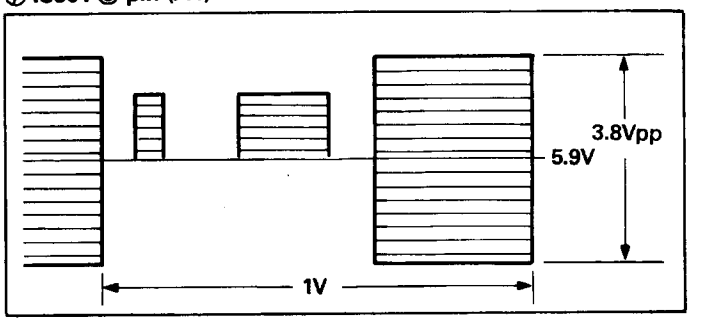
⑥ IC501 ⑦ pin (A4)



② Q3005 base (B1)

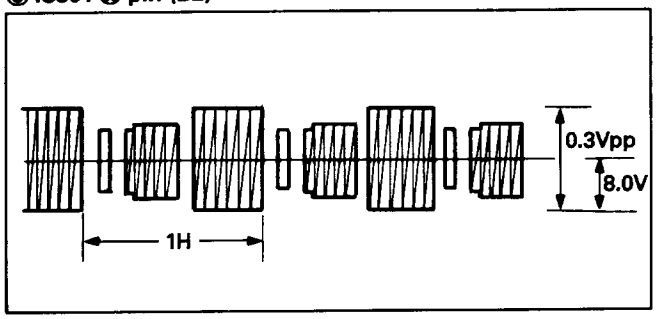


⑦ IC501 ⑧ pin (A4)

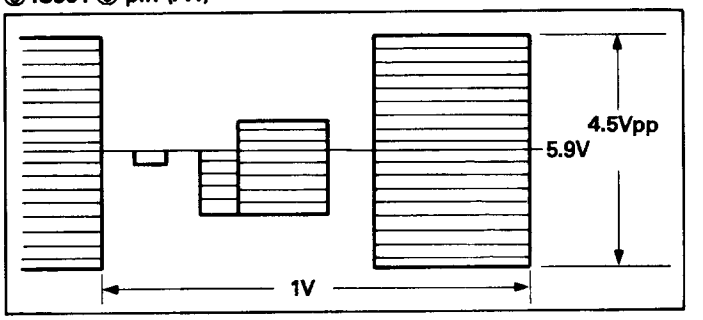


MAIN P.W.B. 2/2

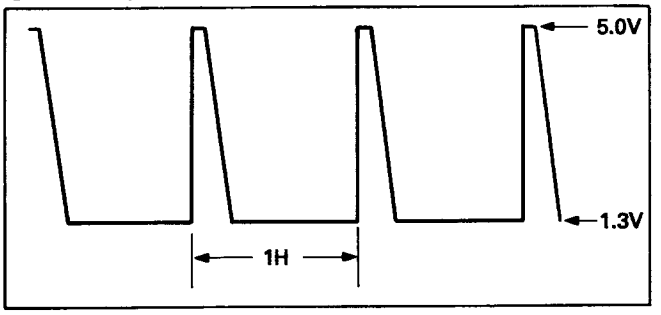
③ IC501 ㉟ pin (B2)



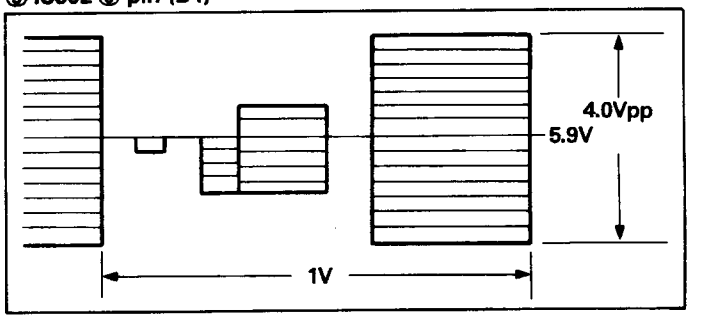
⑧ IC501 ⑥ pin (A4)



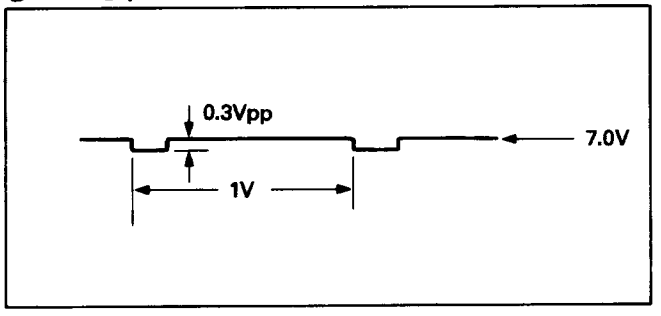
④ IC501 ㉝ pin (C3)



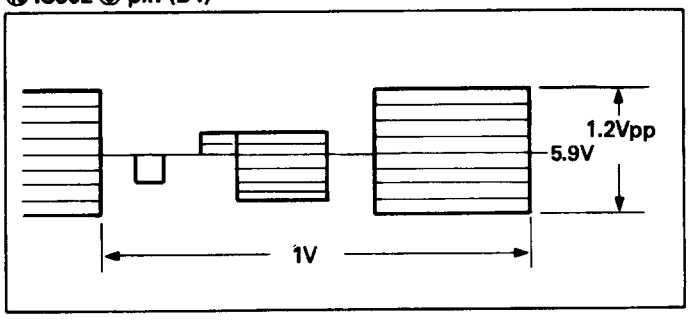
⑨ IC502 ⑤ pin (B4)



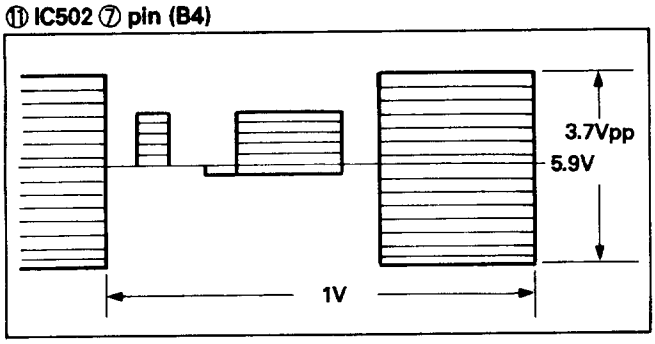
⑤ IC501 ㉛ pin (B3)



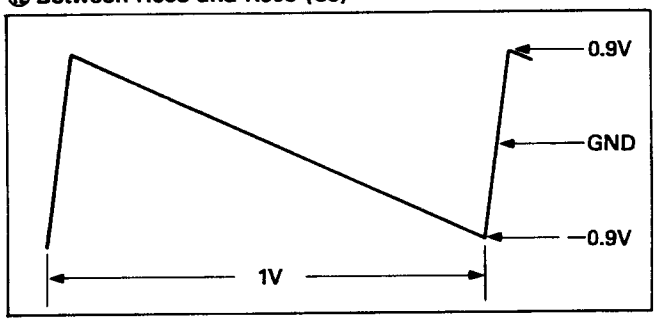
⑩ IC502 ⑥ pin (B4)



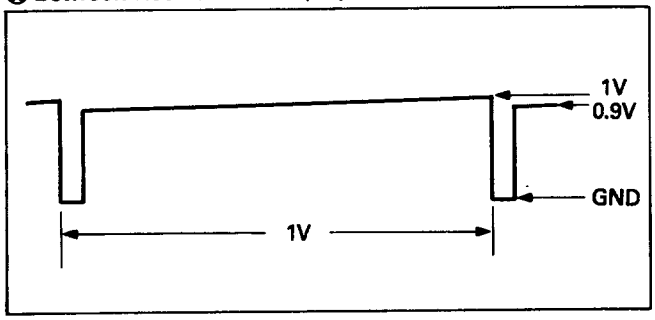
⑪ IC502 ⑦ pin (B4)



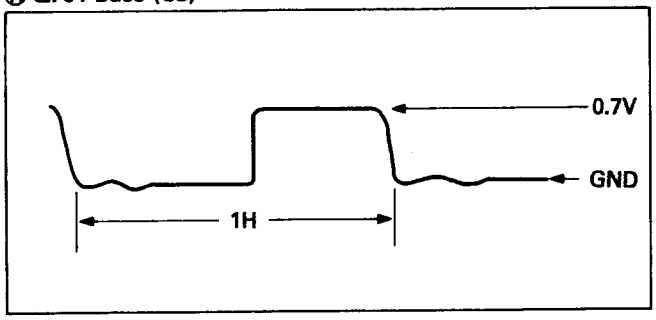
⑫ Between R608 and R609 (C3)



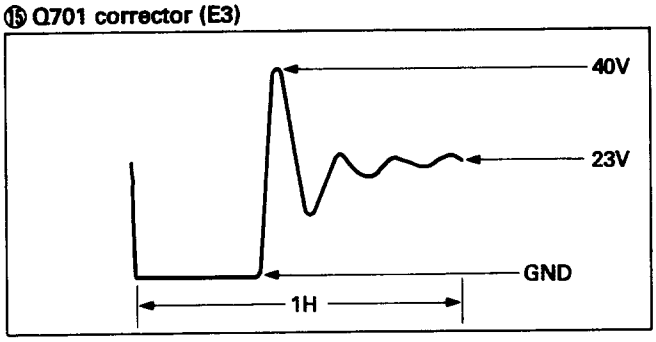
⑬ Between R601 and R602 (C3)



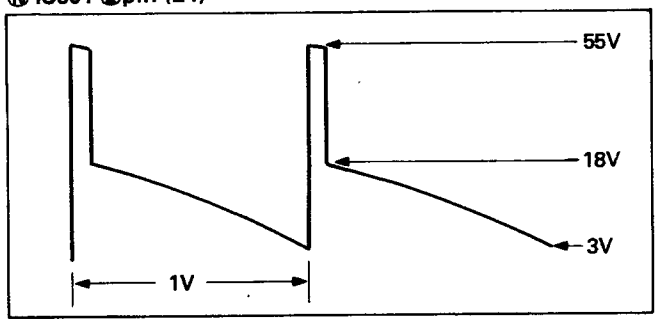
⑭ Q701 base (C3)



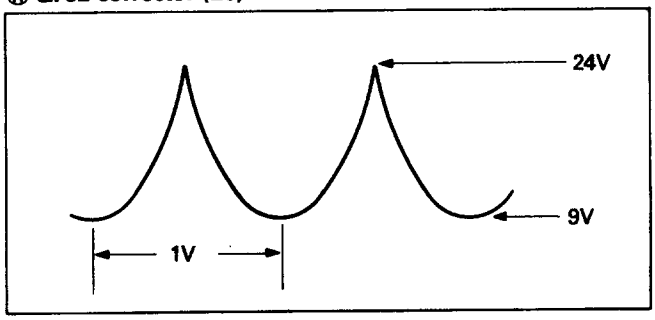
⑮ Q701 corrector (E3)



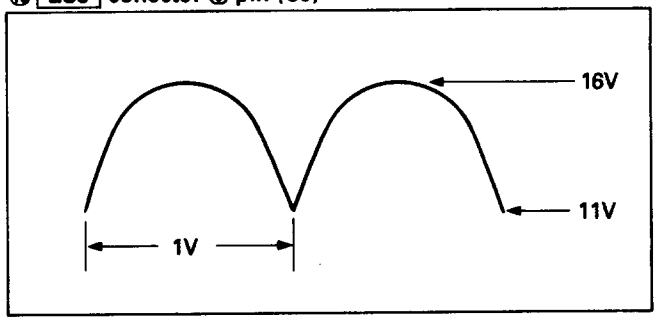
⑯ IC601 ②pin (E4)



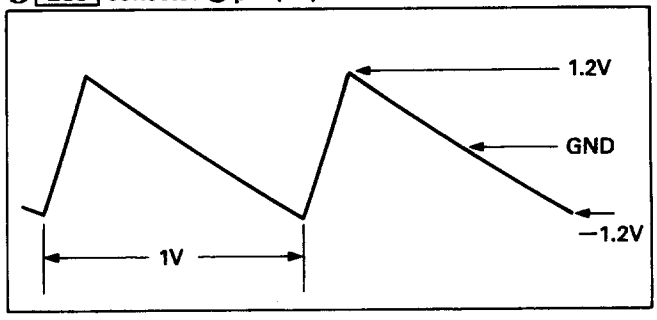
⑰ Q752 corrector (E6)



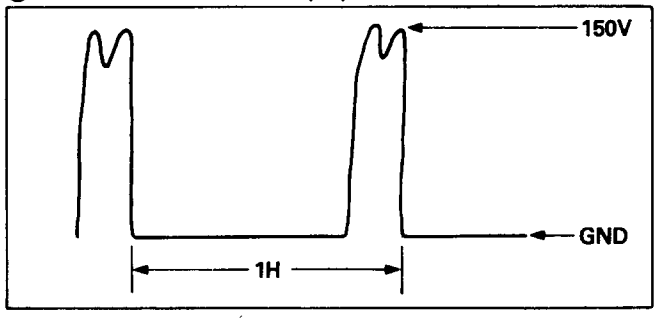
⑱ ES3 conector ⑥ pin (C5)



⑲ ES3 conector ② pin (C5)

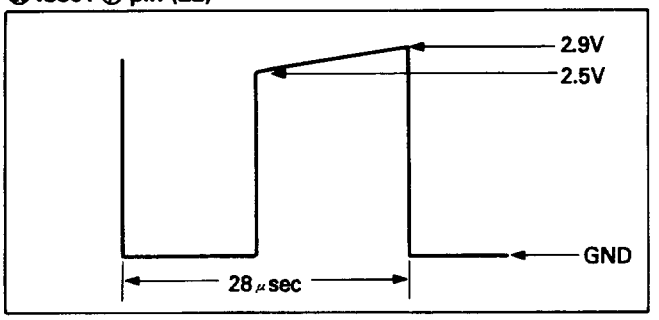


⑳ Between D703 and D704 (E3)

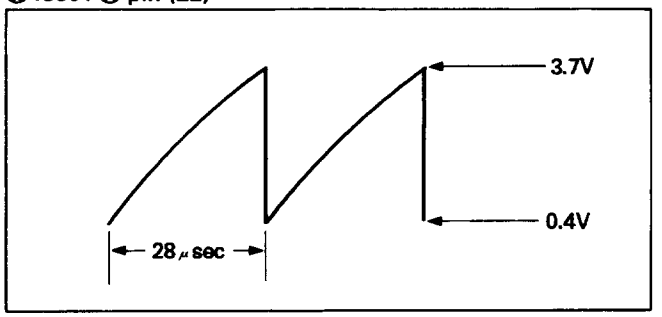


POWER P.W.B.

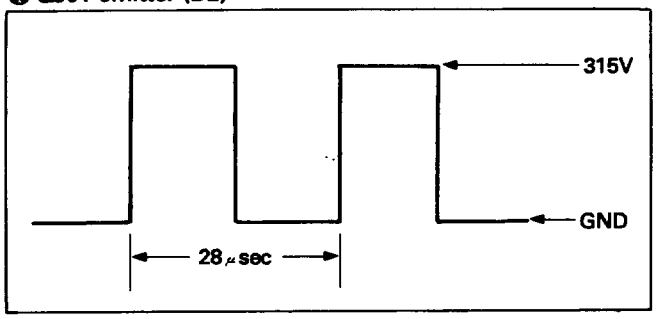
㉑ IC901 ⑦ pin (E2)



㉒ IC901 ⑪ pin (E2)

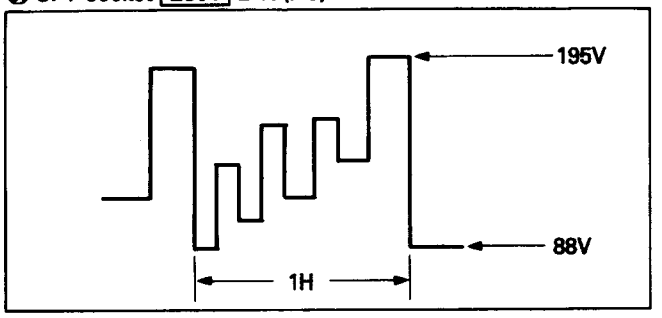


㉓ Q901 emitter (D2)

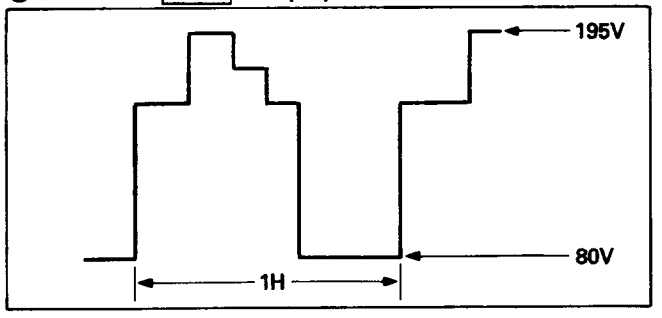


CPT P.W.B.

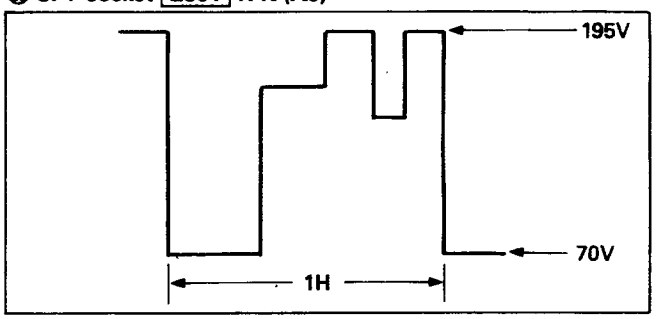
㉔ CPT socket E801 B-K (A6)



㉕ CPT socket E801 G-K (A6)

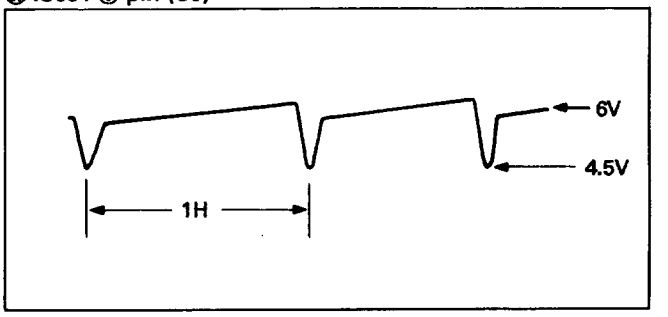


㉖ CPT socket E801 R-K (A6)

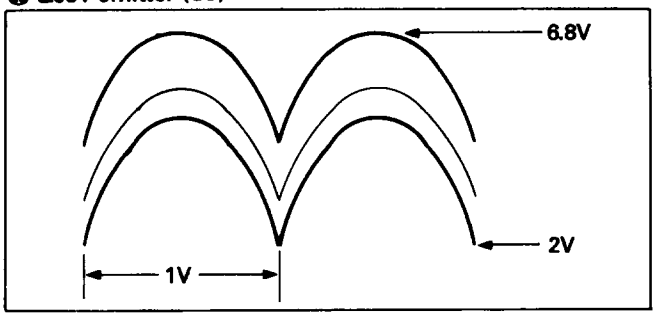


SIDE PIN P.W.B.

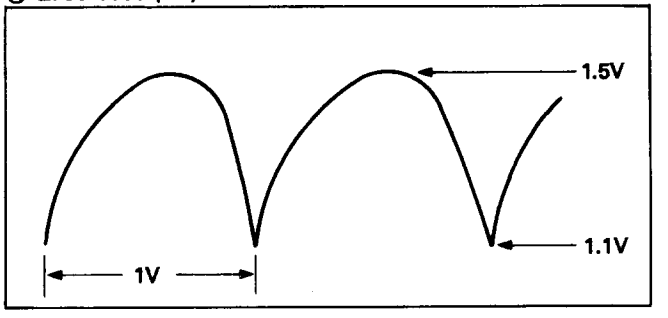
㉗ IC651 ⑥ pin (C5)



㉘ Q651 emitter (C5)

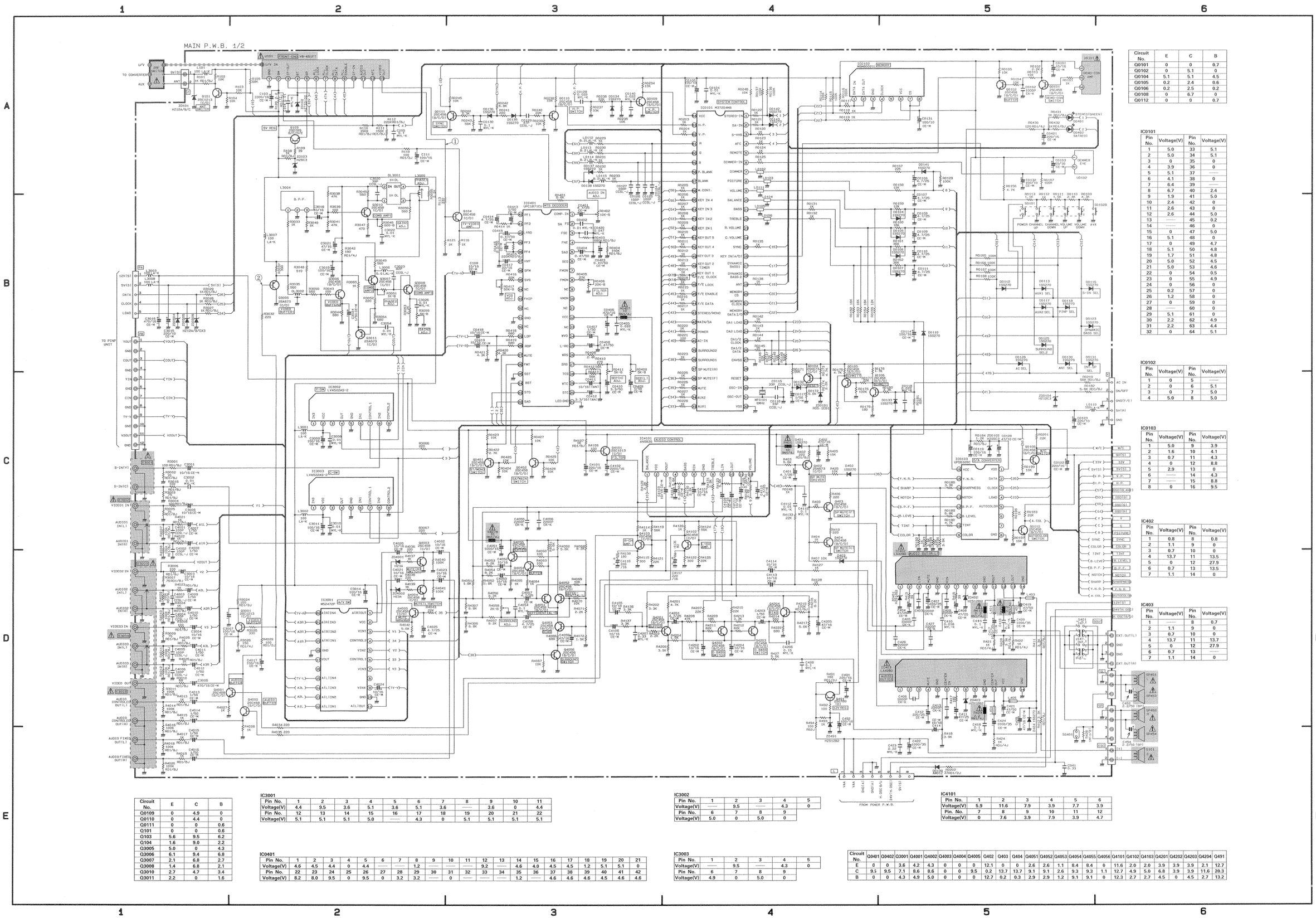


㉙ Q750 base (D5)



BASIC CIRCUIT DIAGRAM

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver though improper servicing.



Circuit No.	E	C	B
Q0101	0	0	0.7
Q0102	0	5.1	0
Q0104	5.1	5.1	4.5
Q0105	0.2	2.4	0.6
Q0106	0.2	2.5	0.2
Q0108	0	6.7	0
Q0112	0	0	0.7

IC0101

Pin No.	Voltage(V)	Pin No.	Voltage(V)
1	5.0	33	5.1
2	5.0	34	5.1
3	0	35	0
4	3.9	36	0
5	5.1	37	———
6	4.1	38	0
7	6.4	39	———
8	6.7	40	2.4
9	1.9	41	5.0
10	2.4	42	0
11	2.6	43	0
12	2.6	44	5.0
13	———	45	0.2
14	———	46	0
15	0	47	5.0
16	5.1	48	0
17	0	49	4.7
18	5.1	50	4.8
19	1.7	51	4.8
20	5.0	52	4.5
21	5.0	53	4.6
22	0	54	0.5
23	0	55	4.9
24	0	56	0
25	0.2	57	0
26	1.2	58	0
27	0	59	0
28	———	60	0
29	5.1	61	0
30	2.2	62	4.9
31	2.2	63	4.4
32	0	64	5.1

IC0102

Pin No.	Voltage(V)	Pin No.	Voltage(V)
1	0	5	———
2	0	6	5.1
3	0	7	5.0
4	5.0	8	5.0

IC0103

Pin No.	Voltage(V)	Pin No.	Voltage(V)
1	5.0	9	3.9
2	1.6	10	4.1
3	0.7	11	4.3
4	0	12	8.8
5	2.9	13	0
6	———	14	4.3
7	———	15	8.8
8	0	16	9.5

IC402

Pin No.	Voltage(V)	Pin No.	Voltage(V)
1	0.8	8	0.8
2	1.1	9	0
3	0.7	10	0
4	13.7	11	13.5
5	0	12	27.9
6	0.7	13	13.5
7	1.1	14	0

IC403

Pin No.	Voltage(V)	Pin No.	Voltage(V)
1	———	8	0.7
2	1.1	9	0
3	0.7	10	0
4	13.7	11	13.7
5	0	12	27.9
6	0.7	13	———
7	1.1	14	0

Circuit No.	E	C	B
Q0109	0	4.9	0
Q0110	0	4.4	0
Q0111	0	0	0.6
Q101	0	0	0.6
Q103	5.6	9.5	6.2
Q104	1.6	9.0	2.2
Q3005	5.0	0	4.3
Q3006	6.1	9.4	6.8
Q3007	2.1	6.8	2.7
Q3008	1.4	6.8	2.1
Q3010	2.7	4.7	3.4
Q3011	2.2	0	1.6

IC3001

Pin No.	1	2	3	4	5	6	7	8	9	10	11
Voltage(V)	4.4	9.5	3.6	5.1	3.6	5.1	3.6	———	3.6	0	4.4
Pin No.	12	13	14	15	16	17	18	19	20	21	22
Voltage(V)	5.1	5.1	5.1	5.0	———	4.3	0	5.1	5.1	5.1	5.1

IC3002

Pin No.	1	2	3	4	5
Voltage(V)	———	9.5	———	4.3	0
Pin No.	6	7	8	9	
Voltage(V)	5.0	0	5.0	0	

IC4101

Pin No.	1	2	3	4	5	6
Voltage(V)	5.9	11.6	7.9	3.9	7.7	3.9
Pin. No.	7	8	9	10	11	12
Voltage(V)	0	7.6	3.9	7.9	3.9	4.7

IC0401

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Voltage(V)	4.6	4.5	4.4	0	4.4	———	———	1.2	———	———	———	9.2	———	4.6	4.0	4.5	4.5	1.2	5.1	5.1	0
Pin No.	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Voltage(V)	8.2	8.0	9.5	0	9.5	0	3.2	3.2	———	0	———	———	———	1.2	———	4.6	4.6	4.6	4.5	4.6	4.6

IC3003

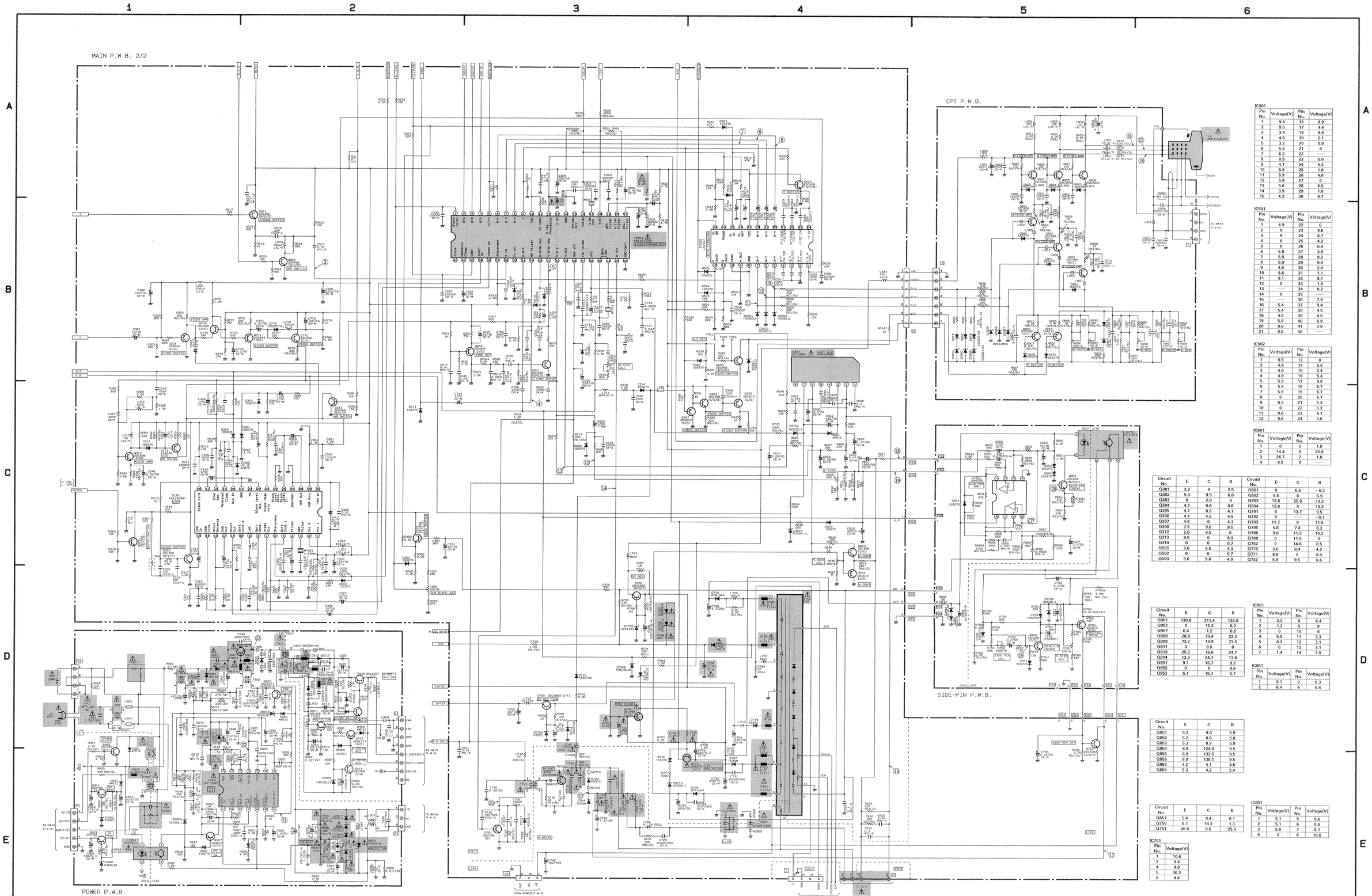
Pin No.	1	2	3	4	5
Voltage(V)	———	9.5	———	4.3	0
Pin No.	6	7	8	9	
Voltage(V)	4.9	0	5.0	0	

Circuit No.	Q0401	Q0402	Q3001	Q4001	Q4002	Q4003	Q4004	Q4005	Q402	Q403	Q404	Q4051	Q4052	Q4053	Q4054	Q4055	Q4056	Q4101	Q4102	Q4103	Q4201	Q4202	Q4203	Q4204	Q491
E	0	0	3.6	4.2	4.3	0	0	0	12.1	0	0	2.6	2.6	1.1	8.4	8.4	0	11.6	2.0	2.0	3.9	3.9	3.9	2.1	12.7
C	9.5	9.5	7.1	8.6	8.6	0	0	9.5	0.2	13.7	13.7	9.1	9.1	2.6	9.3	9.3	1.1	12.7	4.9	5.0	6.8	3.9	3.9	11.6	20.3
B	0	0	4.3	4.9	5.0	0	0	0	12.7	0.2	0.3	2.9	2.9	1.2	9.1	9.1	0	12.3	2.7	2.7	4.5	0	4.5	2.7	13.2

- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver though improper servicing.

BASIC CIRCUIT DIAGRAM



IC301

Pin No.	Voltage(V)	Pin No.	Voltage(V)
1	9.4	16	8.9
2	9.5	17	4.4
3	3.9	18	8.0
4	4.8	19	2.1
5	3.2	20	0.9
6	5.3	21	0
7	6.2	22	———
8	0.9	23	6.0
9	4.1	24	6.3
10	6.8	25	1.8
11	6.9	26	4.0
12	5.9	27	0
13	5.6	28	6.5
14	3.9	29	1.0
15	4.3	30	4.7

IC501

Pin No.	Voltage(V)	Pin No.	Voltage(V)
1	4.9	22	0
2	0	23	0.6
3	0	24	6.7
4	0	25	4.2
5	0	26	6.6
6	5.9	27	3.8
7	5.9	28	9.2
8	5.9	29	0.9
9	4.0	30	2.4
10	9.6	31	7.1
11	9.1	32	8.1
12	0	33	1.8
13	———	34	0.7
14	0	35	———
15	———	36	7.9
16	5.4	37	9.4
17	5.4	38	4.5
18	4.6	39	4.0
19	5.8	40	6.9
20	0.6	41	7.0
21	0.6	42	———

IC502

Pin No.	Voltage(V)	Pin No.	Voltage(V)
1	0.5	13	0
2	4.6	14	2.6
3	4.6	15	2.8
4	4.6	16	5.4
5	5.9	17	9.6
6	5.9	18	6.7
7	5.9	19	6.7
8	0	20	6.7
9	0.3	21	5.3
10	0	22	5.3
11	0.6	23	4.1
12	0.6	24	3.6

IC601

Pin No.	Voltage(V)	Pin No.	Voltage(V)
1	0	5	1.0
2	14.4	6	26.0
3	26.7	7	1.6
4	0.9	8	———

Circuit No.	E	C	B	Circuit No.	E	C	B
Q301	3.2	0	2.5	Q601	0	6.8	−0.3
Q302	5.3	9.5	6.0	Q602	5.5	0	5.9
Q303	0	2.9	0	Q603	13.6	25.9	13.3
Q304	4.1	9.6	4.8	Q604	13.6	0	13.3
Q305	4.1	0.3	4.1	Q701	0	13.7	0.5
Q306	4.1	4.2	4.9	Q702	0	———	−0.1
Q307	4.8	0	4.3	Q703	11.7	0	11.5
Q308	7.8	9.6	8.5	Q705	5.8	7.4	6.3
Q312	2.6	9.5	0	Q706	9.6	11.5	10.2
Q313	9.5	0	8.9	Q708	0	11.5	0
Q314	9	0	0.7	Q752	0	14.6	0.5
Q501	3.6	9.5	4.3	Q770	3.6	8.4	4.2
Q502	0	0	0.7	Q771	8.8	0	8.4
Q503	3.6	9.6	4.0	Q732	5.9	9.5	6.6

Circuit No.	E	C	B
Q901	130.8	311.4	130.8
Q902	0	15.2	0.2
Q907	6.4	1.2	6.6
Q908	28.0	73.4	22.2
Q909	73.7	13.9	73.5
Q911	9	8.5	0
Q913	25.3	16.6	24.7
Q914	13.3	24.7	13.9
Q951	9.1	15.7	9.2
Q952	0	0	0.6
Q953	5.1	15.7	5.7

IC901

Pin No.	Voltage(V)	Pin No.	Voltage(V)
1	3.2	8	6.4
2	1.2	9	0
3	0	10	0
4	5.9	11	2.3
5	0.3	12	3.1
6	0	13	3.1
7	1.4	14	3.0

IC951

Pin No.	Voltage(V)	Pin No.	Voltage(V)
1	9.1	3	0.3
2	8.4	4	6.4

Circuit No.	E	C	B
Q851	5.3	9.0	5.9
Q852	5.2	8.6	5.8
Q853	5.3	8.7	5.9
Q854	8.9	124.9	9.5
Q855	8.9	133.5	9.5
Q856	8.9	138.1	9.5
Q863	4.2	4.1	4.6
Q864	5.3	4.2	5.4

Circuit No.	E	C	B
Q651	5.4	9.4	6.1
Q750	0.7	14.2	1.3
Q751	26.0	0.6	25.5

IC651

Pin No.	Voltage(V)	Pin No.	Voltage(V)
1	5.1	5	5.6
2	5.1	6	5.6
3	5.0	7	6.1
4	0	8	10.6

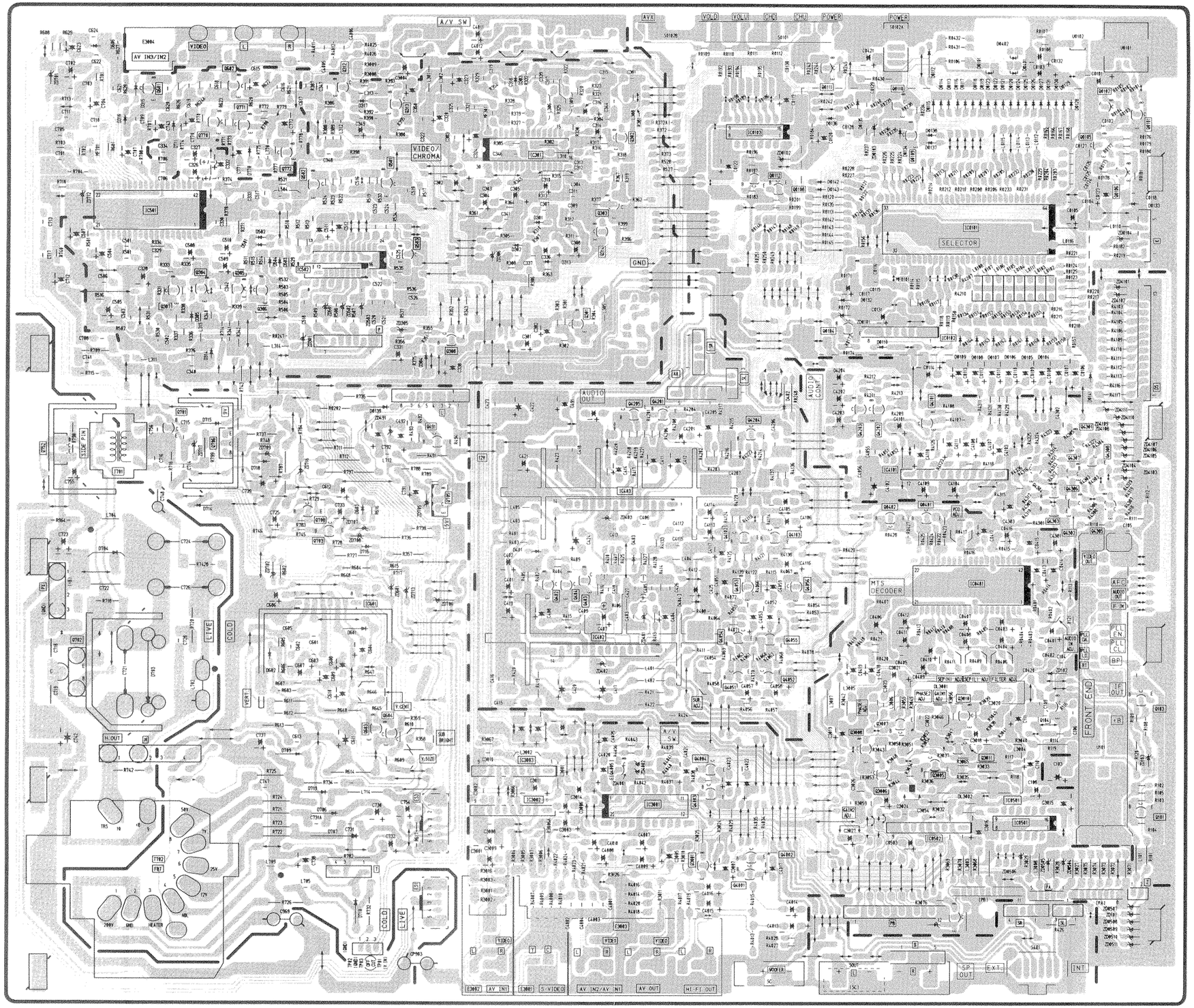
IC701

Pin No.	Voltage(V)
1	10.6
2	9.4
4	4.0
5	36.3
6	4.4

- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

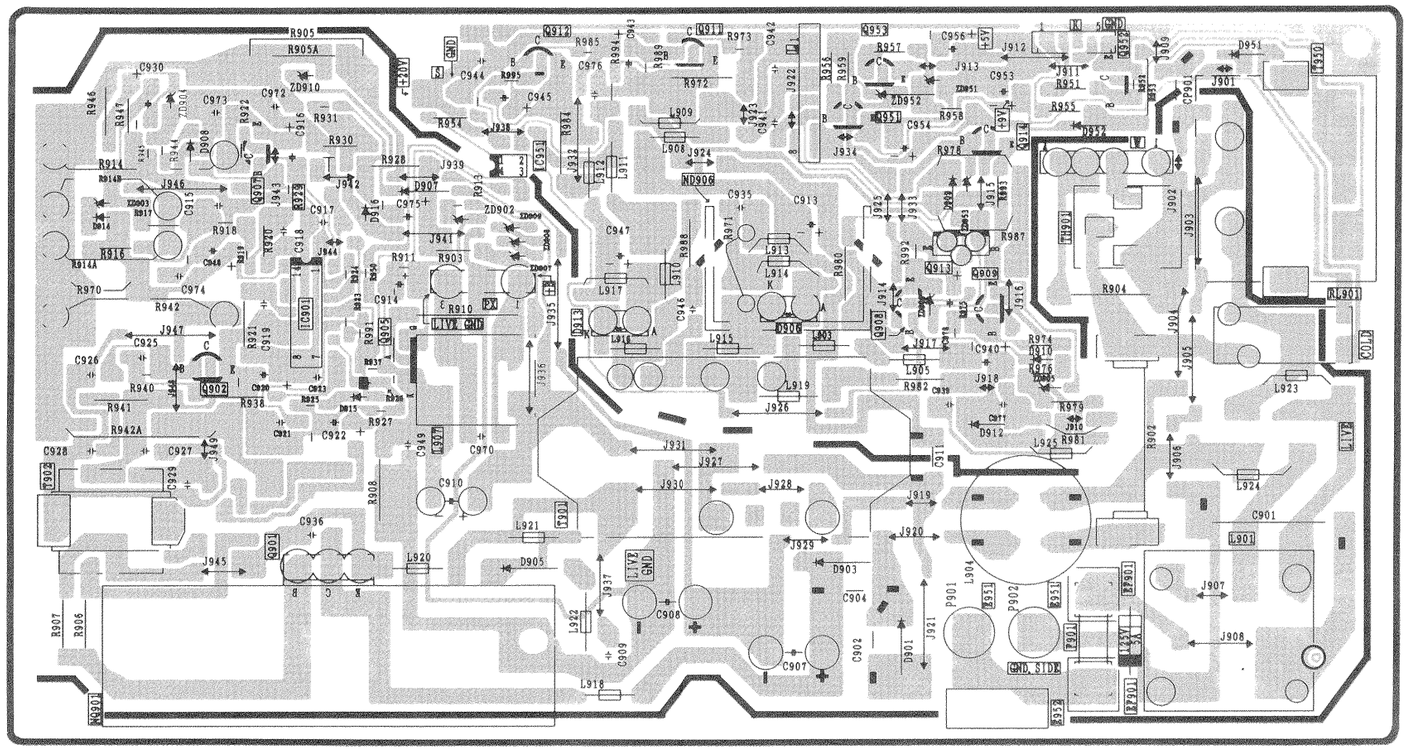
PRINTED WIRING BOARD

MAIN P.W.B.

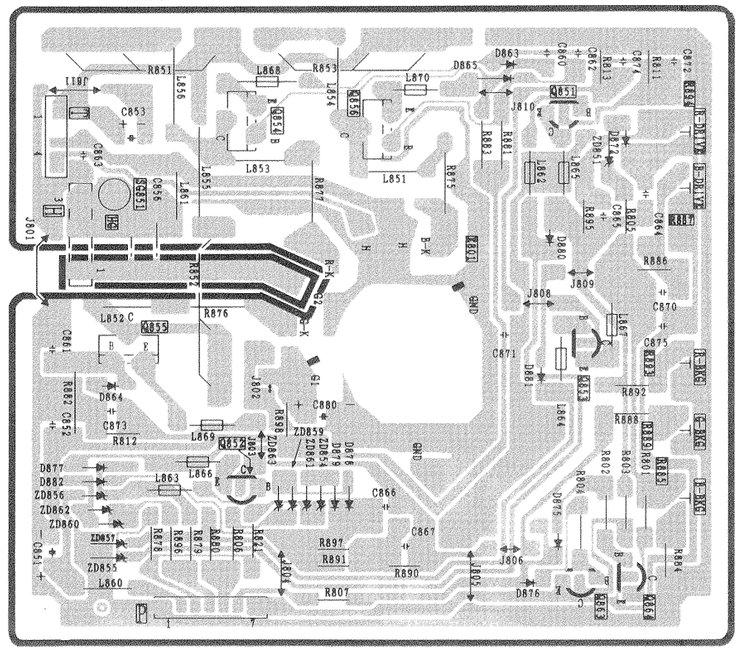


PRINTED WIRING BOARD

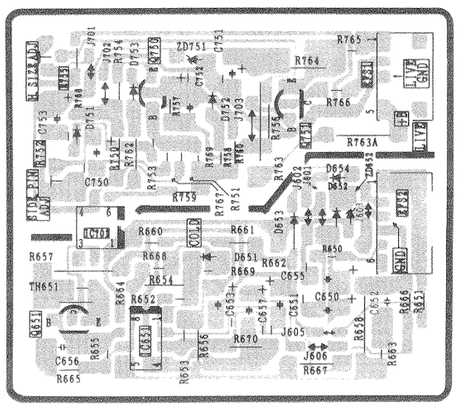
POWER P.W.B.



CPT P.W.B.

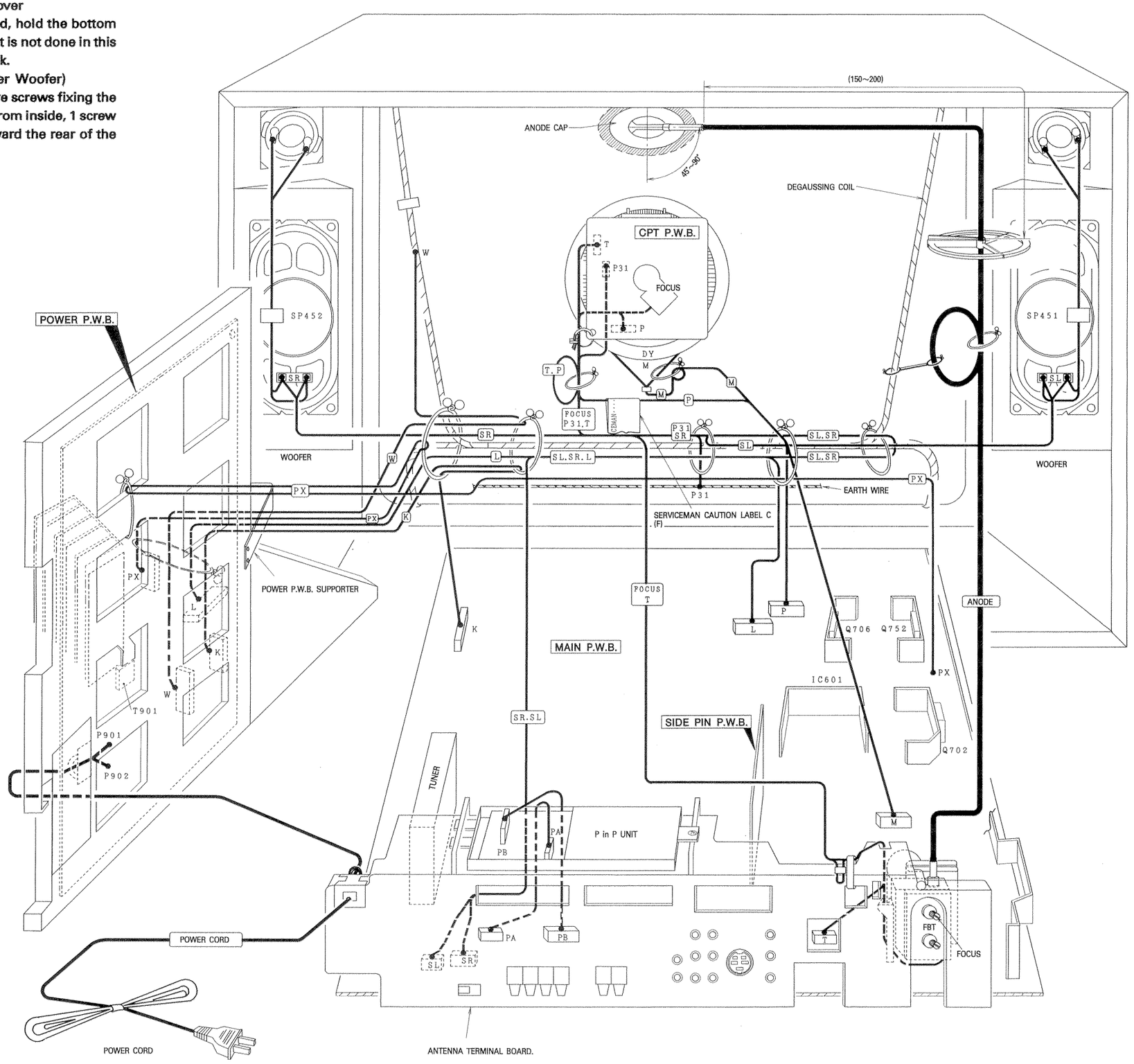


SIDE PIN P.W.B.



- Caution when removing the back cover
  When the back cover is to be removed, hold the bottom of the cover and pull it out straight. If it is not done in this way, it may cause a P.W.B. to break.
- Removing the ASW (Acoustic Supper Woofer)
  After removing the back cover, remove screws fixing the ASW from the back cover (10 screws from inside, 1 screw from outside), then pull the ASW toward the rear of the back cover to remove it.

WIRING DIADRAM



REPLACEMENT PARTS LIST

PRODUCT SAFETY NOTE: Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

ABBREVIATIONS

Capacitors	CD:Ceramic disk, PF:Polyester film, EL:Electrolytic, PP:Polypropylene, PR:Paper, TA:Tantalum, TM:Trimmer.
Resistors	CF:Carbon film, CC:Carbon composition, MF:Metal oxide film, VR:Variable resistor, WW:Wire would, FR:Fuse resistor, MG:Metal glazed
Semiconductor	TR:Transistor, DI:Diode, ZD:Zener diode, VA:Varistor, TH:Thermistor, IC:IC.

SYSMBOL NO.	PART NO.	DESCRIPTION
		CAPACITORS
C0101	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C0102	0890087	CD 1000PF +-10% 50V
C0103	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C0104	0880044	PF 0.01MF +-10% 50V
C0105	0800048	CAPACITOR ELECTROLYTIC 100MF 10V
C0106	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0107	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0108	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0109	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0110	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0111	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0114	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C0115	0890067	CD 33PF +-5% 50V
C0116	0890067	CD 33PF +-5% 50V
C0117	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C0118	0880048	PF 0.022MF +-10% 50V
C0119	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C0120	0800039	CAPACITOR ELECTROLYTIC 47MF 10V
C0122	0800058	CAPACITOR ELECTROLYTIC 220MF 16V
C0123	0800057	CAPACITOR ELECTROLYTIC 220MF 10V
C0124	0890074	CD 100PF +-5% 50V
C0125	0890074	CD 100PF +-5% 50V
C0126	0890074	CD 100PF +-5% 50V
C0127	0890074	CD 100PF +-5% 50V
C0128	0880048	PF 0.022MF +-10% 50V
C0129	0890069	CD 47PF +-5% 50V
C0130	0880057	PF 0.1MF +-10% 50V
C0131	0800048	CAPACITOR ELECTROLYTIC 100MF 10V
C0132	0800048	CAPACITOR ELECTROLYTIC 100MF 10V
C0140	0880048	PF 0.022MF +-10% 50V
C0401	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0402	0880044	PF 0.01MF +-10% 50V
C0403	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V
C0404	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V
C0405	0880048	PF 0.022MF +-10% 50V
C0406	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C0407	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C0408	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V
C0409	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C0410	0800007	CAPACITOR,ELECTROLYTIC 3.3MF 50V
C0411	0292714F	TA 10MF +-10% 16V
C0412	0292712F	TA 3.3MF 16V
C0413	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C0414	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0415	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V
C0416	0800005	CAPACITOR,ELECTROLYTIC 2.2MF 50V
C0417	0800023	CAPACITOR ELECTROLYTIC 22MF 16V
C0418	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C0419	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C0420	0880053	PF 0.047MF +-10% 50V
C0421	0800058	CAPACITOR ELECTROLYTIC 220MF 16V
C103	0800089	CAPACITOR ELECTROLYTIC 3300MF 10V
C104	0880044	PF 0.01MF +-10% 50V
C105	0880057	PF 0.1MF +-10% 50V
C108	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C111	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C3001	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3002	0880044	PF 0.01MF +-10% 50V
C3003	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3004	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3005	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C3006	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3007	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C3008	0880044	PF 0.01MF +-10% 50V
C3009	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C301	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3010	0880044	PF 0.01MF +-10% 50V
C3011	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C3014	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C3015	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C3016	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C3018	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3019	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C302	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3020	0890068	CD 39PF +-5% 50V
C3021	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C3022	0880044	PF 0.01MF +-10% 50V
C3023	0890073	CD 82PF +-5% 50V
C3024	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C3026	0880044	PF 0.01MF +-10% 50V
C3027	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C303	0244171	CD 0.01MF +80-20% 50V
C304	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C305	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C3054	0880044	PF 0.01MF +-10% 50V

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SYSMBOL NO.	PART NO.	DESCRIPTION	SYSMBOL NO.	PART NO.	DESCRIPTION
C307	0890087	CD 1000PF +-10% 50V	C4014	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C308	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C4015	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C309	0890084	CD 560PF +-10% 50V	C4016	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C310	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C4017	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C311	0244171	CD 0.01MF +80-20% 50V	C402	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C312	0890114	CD 10PF +-0.5% 50V	C4020	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C313	0890114	CD 10PF +-0.5% 50V	C4021	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C314	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C4022	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C315	0244171	CD 0.01MF +80-20% 50V	C4023	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C316	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C4025	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C317	0244171	CD 0.01MF +80-20% 50V	C403	0244105	CD 2200PF +-10% 50V
C318	0244171	CD 0.01MF +80-20% 50V	C404	0800042	CAPACITOR ELECTROLYTIC 47MF 25V
C319	0244171	CD 0.01MF +80-20% 50V	C405	0244107	CD 3300PF +-10% 50V
C320	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C4051	0800082	CAPACITOR ELECTROLYTIC 1000MF 16V
C321	0890115	CD 12PF +-5% 50V	C4052	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C322	0880044	PF 0.01MF +-10% 50V	C4053	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C323	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	C4054	0880057	PF 0.1MF +-10% 50V
C324	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	C4055	0244105	CD 2200PF +-10% 50V
C325	0880044	PF 0.01MF +-10% 50V	C4056	0244105	CD 2200PF +-10% 50V
C326	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C4057	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C327	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C4058	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C328	0800058	CAPACITOR ELECTROLYTIC 220MF 16V	C4059	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C329	0880044	PF 0.01MF +-10% 50V	C406	0890087	CD 1000PF +-10% 50V
C330	0244171	CD 0.01MF +80-20% 50V	C407	0800059	CAPACITOR ELECTROLYTIC 220MF 25V
C331	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C408	0800042	CAPACITOR ELECTROLYTIC 47MF 25V
C332	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C409	0244105	CD 2200PF +-10% 50V
C333	0244171	CD 0.01MF +80-20% 50V	C410	0244107	CD 3300PF +-10% 50V
C334	0244171	CD 0.01MF +80-20% 50V	C4101	0800058	CAPACITOR ELECTROLYTIC 220MF 16V
C336	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C4102	0800087	CAPACITOR ELECTROLYTIC 2200MF 16V
C337	0890083	CD 470PF +-10% 50V	C4103	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C338	0800087	CAPACITOR ELECTROLYTIC 2200MF 16V	C4104	0253942	EL 0.22MF 50V
C339	0246445	CD 16PF +-5% 50V	C4105	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C340	0890079	CD 270PF +-10% 50V	C4106	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C341	0890121	CD 33PF +-5% 50V	C4107	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C342	0246464	CD 100PF +-5% 50V	C4108	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C347	0890084	CD 560PF +-10% 50V	C4109	0253942	EL 0.22MF 50V
C348	0890083	CD 470PF +-10% 50V	C411	0800042	CAPACITOR ELECTROLYTIC 47MF 25V
C349	02528071	EL 0.33MF 50V	C4110	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C350	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C4111	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C382	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	C4112	0880044	PF 0.01MF +-10% 50V
C383	0244105	CD 2200PF +-10% 50V	C4113	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4001	0890074	CD 100PF +-5% 50V	C4114	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4002	0890074	CD 100PF +-5% 50V	C4115	0880057	PF 0.1MF +-10% 50V
C4003	0890074	CD 100PF +-5% 50V	C4116	0800058	CAPACITOR ELECTROLYTIC 220MF 16V
C4004	0890074	CD 100PF +-5% 50V	C4117	0800058	CAPACITOR ELECTROLYTIC 220MF 16V
C4005	0890074	CD 100PF +-5% 50V	C412	0800059	CAPACITOR ELECTROLYTIC 220MF 25V
C4006	0890074	CD 100PF +-5% 50V	C413	0244105	CD 2200PF +-10% 50V
C4007	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C414	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4008	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C415	0880057	PF 0.1MF +-10% 50V
C4009	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C416	0880057	PF 0.1MF +-10% 50V
C401	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V	C417	0800084	CAPACITOR ELECTROLYTIC 1000MF 35V
C4010	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C418	0880057	PF 0.1MF +-10% 50V
C4011	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C419	0800044	CAPACITOR ELECTROLYTIC 47MF 50V
C4012	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C420	0800084	CAPACITOR ELECTROLYTIC 1000MF 35V
C4013	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C4201	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V

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SYSMBOL NO.	PART NO.	DESCRIPTION	SYSMBOL NO.	PART NO.	DESCRIPTION
C4202	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C616	0880053	PF 0.047MF +-10% 50V
C4203	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C617	0880044	PF 0.01MF +-10% 50V
C4204	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C618	0880039	PF 4700PF +-10% 50V
C4205	0800041	CAPACITOR ELECTROLYTIC 47MF 16V	C619	0244107	CD 3300PF +-10% 50V
C4206	0880059	PF 0.15MF 50V	C620	0880057	PF 0.1MF +-10% 50V
C4207	0880019	PF 0.33MF +-10% 50V	C621	0880037	PF 3300PF +-10% 50V
C421	0800044	CAPACITOR ELECTROLYTIC 47MF 50V	C622	0890087	CD 1000PF +-10% 50V
C422	0800084	CAPACITOR ELECTROLYTIC 1000MF 35V	C623	0292716	TA 1MF +-10% 20V
C423	0880062	PF 0.22MF +-10% 50V	C624	0244107	CD 3300PF +-10% 50V
C424	0800084	CAPACITOR ELECTROLYTIC 1000MF 35V	C625	0880062	PF 0.22MF +-10% 50V
C425	0800041	CAPACITOR ELECTROLYTIC 47MF 16V	C650	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C426	0244105	CD 2200PF +-10% 50V	C651	0800005	CAPACITOR,ELECTROLYTIC 2.2MF 50V
C427	0244105	CD 2200PF +-10% 50V	C652	0880042	PF 6800PF +-10% 50V
C428	0880057	PF 0.1MF +-10% 50V	C653	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C452	0257048	EL 2.2MF 25V	C655	0800018	CAPACITOR ELECTROLYTIC 10MF 50V
C454	0257048	EL 2.2MF 25V	C656	0880053	PF 0.047MF +-10% 50V
C491	0800058	CAPACITOR ELECTROLYTIC 220MF 16V	C657	0800005	CAPACITOR,ELECTROLYTIC 2.2MF 50V
C492	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	C701	0890087	CD 1000PF +-10% 50V
C501	0246443	CD 13PF +-5% 50V	C702	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C502	0244171	CD 0.01MF +80-20% 50V	C703	0880048	PF 0.022MF +-10% 50V
C503	0244171	CD 0.01MF +80-20% 50V	C704	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C504	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V	C705	0890089	CD 1500PF +-10% 50V
C505	0800005	CAPACITOR,ELECTROLYTIC 2.2MF 50V	C706	0244104	CD 1800PF +-10% 50V
C506	0244171	CD 0.01MF +80-20% 50V	C707	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C507	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C708	0244107	CD 3300PF +-10% 50V
C508	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C709	0890082	CD 390PF +-10% 50V
C509	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C710	0880042	PF 6800PF +-10% 50V
C510	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C711	0880048	PF 0.022MF +-10% 50V
C511	0800012	CAPACITOR ELECTROLYTIC 4.7MF 50V	⚠C712	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C512	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	C713	0880037	PF 3300PF +-10% 50V
C516	0248667	CD 20PF +-5% 50V	C714	0880039	PF 4700PF +-10% 50V
C517	0880044	PF 0.01MF +-10% 50V	C715	0247842	CD 33PF +-5% 500V
C518	0244171	CD 0.01MF +80-20% 50V	C716	0880019	PF 0.33MF +-10% 50V
C519	0880057	PF 0.1MF +-10% 50V	C717	0880053	PF 0.047MF +-10% 50V
C520	0890076	CD 150PF +-10% 50V	⚠C718	0244215	CD 2200PF +-10% 2KV
C521	0890076	CD 150PF +-10% 50V	⚠C719	0244215	CD 2200PF +-10% 2KV
C522	0890076	CD 150PF +-10% 50V	⚠C721	0262429F	PP 0.012MF +-5% 1800V
C523	0890108	CD 5PF +-0.25% 50V	⚠C722	0299707	PP 0.015MF +-10% 630V
C524	0890108	CD 5PF +-0.25% 50V	C723	0263001	EL 3.3MF 100V
C525	0890121	CD 33PF +-5% 50V	⚠C724	0299932	PP 0.33MF +-10% 200V
C526	0244171	CD 0.01MF +80-20% 50V	⚠C725	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C601	0890084	CD 560PF +-10% 50V	⚠C726	0299931	PP 0.27MF +-10% 200V
C602	0247842	CD 33PF +-5% 500V	C728	0244501	CD 1000PF +-10% 500V
C603	0880046	PF 0.015MF +-10% 50V	C730	0800076	CAPACITOR ELECTROLYTIC 470MF 35V
C604	0800052	CAPACITOR ELECTROLYTIC 100MF 35V	C731	0244501	CD 1000PF +-10% 500V
C605	0880057	PF 0.1MF +-10% 50V	C731A	0243506	CD 270PF +-10% 500V
C606	0800007	CAPACITOR,ELECTROLYTIC 3.3MF 50V	C732	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C607	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V	C733	0800056	CAPACITOR,ELECTROLYTIC 220MF 6.3V
C608	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V	⚠C737	0800019	CAPACITOR,ELECTROLYTIC 10MF 63V
C609	0253943	EL 0.33MF 50V	C738	0259171	EL 4.7MF 250V
C610	0253942	EL 0.22MF 50V	C739	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C611	0800083	CAPACITOR ELECTROLYTIC 1000MF 25V	C741	0890081	CD 330PF +-10% 50V
C612	0800056	CAPACITOR,ELECTROLYTIC 220MF 6.3V	C742	0254823	EL 100MF 160V
C613	0880057	PF 0.1MF +-10% 50V	C743	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C615	0800023	CAPACITOR ELECTROLYTIC 22MF 16V	C747	0880057	PF 0.1MF +-10% 50V

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SYSMBOL NO.	PART NO.	DESCRIPTION	SYSMBOL NO.	PART NO.	DESCRIPTION
⚠C748	0249137	CD 100PF +-10% 125V	C930	0800006	CAPACITOR,ELECTROLYTIC 2.2MF 100V
C750	0800005	CAPACITOR,ELECTROLYTIC 2.2MF 50V	C935	0244503	CD 1500PF +-10% 50V
C751	0800044	CAPACITOR ELECTROLYTIC 47MF 50V	C936	0243511	CD 680PF +-10% 500V
C752	0252417	EL 1MF 50V	C939	0244503	CD 1500PF +-10% 50V
C753	0800007	CAPACITOR,ELECTROLYTIC 3.3MF 50V	C940	0800028	CAPACITOR,ELECTROLYTIC 22MF 100V
C754	0800073	CAPACITOR ELECTROLYTIC 470MF 10V	C941	0880019	PF 0.33MF +-10% 50V
C755	0253942	EL 0.22MF 50V	C942	0244171	CD 0.01MF +80-20% 50V
C756	0890089	CD 1500PF +-10% 50V	C943	0800022	CAPACITOR ELECTROLYTIC 22MF 10V
C770	0800007	CAPACITOR,ELECTROLYTIC 3.3MF 50V	C948	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C771	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V	C949	0890087	CD 1000PF +-10% 50V
C772	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	C953	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C791	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C954	0800083	CAPACITOR ELECTROLYTIC 1000MF 25V
C792	0800057	CAPACITOR ELECTROLYTIC 220MF 10V	C956	0800047	CAPACITOR ELECTROLYTIC 100MF 6.3V
C851	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	⚠C969	0249391	CD 1000PF +-10% 125V
C852	0890087	CD 1000PF +-10% 50V	C970	0244565	CD 4700PF +100-0% 500V
C853	0257540	EL 4.7MF 250V	C972	0244565	CD 4700PF +100-0% 500V
C856	0244215	CD 2200PF +-10% 2KV	C973	0244171	CD 0.01MF +80-20% 50V
C860	0890087	CD 1000PF +-10% 50V	C974	0244171	CD 0.01MF +80-20% 50V
C861	0890087	CD 1000PF +-10% 50V	C975	0800006	CAPACITOR,ELECTROLYTIC 2.2MF 100V
C862	0890087	CD 1000PF +-10% 50V	C976	0244171	CD 0.01MF +80-20% 50V
C863	0244141	CD 0.01MF +-10% 50V	C977	0244505	CD 2200PF +-10% 500V
C864	0248694	CD 270PF +-5% 50V	C978	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C865	0890087	CD 1000PF +-10% 50V			
C866	0248690	CD 180PF +-5% 50V			**RESISTORS**
C867	0890087	CD 1000PF +-10% 50V			
C870	0890087	CD 1000PF +-10% 50V	R0101	0700041	CF 1K OHM +-5% 1/16W
C871	0244105	CD 2200PF +-10% 50V	R0102	0700045	CF 2.2K OHM +-5% 1/16W
C872	0248684	CD 100PF +-5% 50V	R0103	0700054	CF 10K OHM +-5% 1/16W
C873	0248684	CD 100PF +-5% 50V	R0104	0700054	CF 10K OHM +-5% 1/16W
C874	0248684	CD 100PF +-5% 50V	R0105	0700054	CF 10K OHM +-5% 1/16W
C875	0248694	CD 270PF +-5% 50V	R0107	0700067	CF 100K OHM +-5% 1/16W
⚠C901	0279719	PF 0.22MF +-10% 125V	R0109	0187080	CF 4.3K OHM +-5% 1/16W
⚠C902	0249145	CD 4700PF +100% 125V	R0110	0187074	CF 2.4K OHM +-5% 1/16W
⚠C904	0249145	CD 4700PF +100% 125V	R0111	0700043	CF 1.5K OHM +-5% 1/16W
C907	0253891	EL 470MF 200V	R0112	0700041	CF 1K OHM +-5% 1/16W
C908	0253891	EL 470MF 200V	R0113	0187066	CF 1.1K OHM +-5% 1/16W
C909	0243507	CD 330PF +-10% 500V	R0114	0700067	CF 100K OHM +-5% 1/16W
C910	0254822	EL 100M 160V	R0115	0700067	CF 100K OHM +-5% 1/16W
⚠C911	0249394	CD 4700PF +-20% 125V	R0116	0700067	CF 100K OHM +-5% 1/16W
C913	0800084	CAPACITOR ELECTROLYTIC 1000MF 35V	R0117	0700041	CF 1K OHM +-5% 1/16W
C914	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	R0118	0700041	CF 1K OHM +-5% 1/16W
C915	0880057	PF 0.1MF +-10% 50V	R0119	0700041	CF 1K OHM +-5% 1/16W
C916	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	R0120	0700041	CF 1K OHM +-5% 1/16W
C917	0880037	PF 3300PF +-10% 50V	R0121	0700041	CF 1K OHM +-5% 1/16W
C918	0880044	PF 0.01MF +-10% 50V	R0122	0700041	CF 1K OHM +-5% 1/16W
C919	0299001	PP 0.001MF +-2% 100V	R0123	0700041	CF 1K OHM +-5% 1/16W
C920	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	R0124	0700041	CF 1K OHM +-5% 1/16W
C921	0890074	CD 100PF +-5% 50V	R0125	0700041	CF 1K OHM +-5% 1/16W
C922	0800005	CAPACITOR,ELECTROLYTIC 2.2MF 50V	R0129	0700067	CF 100K OHM +-5% 1/16W
C923	0890082	CD 390PF +-10% 50V	R0131	0700041	CF 1K OHM +-5% 1/16W
C925	0880053	PF 0.047MF +-10% 50V	R0132	0700041	CF 1K OHM +-5% 1/16W
C926	0890077	CD 180PF +-10% 50V	R0135	0700041	CF 1K OHM +-5% 1/16W
C927	0243506	CD 270PF +-10% 500V	R0136	0700067	CF 100K OHM +-5% 1/16W
C928	0247856	CD 120PF +-5% 500V	R0137	0700067	CF 100K OHM +-5% 1/16W
C929	0279849	PF 0.015MF +-10% 100V	R0138	0700041	CF 1K OHM +-5% 1/16W

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SYSMBOL NO.	PART NO.	DESCRIPTION	SYSMBOL NO.	PART NO.	DESCRIPTION
R0142	0700041	CF 1K OHM +-5% 1/16W	R0209	0700041	CF 1K OHM +-5% 1/16W
R0143	0700041	CF 1K OHM +-5% 1/16W	R0210	0700041	CF 1K OHM +-5% 1/16W
R0144	0700041	CF 1K OHM +-5% 1/16W	R0211	0700041	CF 1K OHM +-5% 1/16W
R0145	0700041	CF 1K OHM +-5% 1/16W	R0212	0700041	CF 1K OHM +-5% 1/16W
R0146	0700054	CF 10K OHM +-5% 1/16W	R0213	0700041	CF 1K OHM +-5% 1/16W
R0147	0700054	CF 10K OHM +-5% 1/16W	R0214	0700041	CF 1K OHM +-5% 1/16W
R0148	0700054	CF 10K OHM +-5% 1/16W	R0215	0700041	CF 1K OHM +-5% 1/16W
R0149	0700067	CF 100K OHM +-5% 1/16W	R0216	0700041	CF 1K OHM +-5% 1/16W
R0152	0187094	CF 16K OHM +-5% 1/16W	R0217	0700041	CF 1K OHM +-5% 1/16W
R0153	0187094	CF 16K OHM +-5% 1/16W	R0218	0700041	CF 1K OHM +-5% 1/16W
R0154	0700057	CF 18K OHM +-5% 1/16W	R0219	0100107	CF 56K OHM +-5% 1/8W
R0155	0700055	CF 12K OHM +-5% 1/16W	R0220	0700041	CF 1K OHM +-5% 1/16W
R0156	0700049	CF 4.7K OHM +-5% 1/16W	R0221	0700027	CF 100 OHM +-5% 1/16W
R0157	0700058	CF 22K OHM +-5% 1/16W	R0223	0700041	CF 1K OHM +-5% 1/16W
R0158	0700055	CF 12K OHM +-5% 1/16W	R0225	0700041	CF 1K OHM +-5% 1/16W
R0159	0700055	CF 12K OHM +-5% 1/16W	R0226	0700041	CF 1K OHM +-5% 1/16W
R0160	0700057	CF 18K OHM +-5% 1/16W	R0227	0700041	CF 1K OHM +-5% 1/16W
R0161	0187102	CF 36K OHM +-5% 1/16W	R0228	0700041	CF 1K OHM +-5% 1/16W
R0162	0187102	CF 36K OHM +-5% 1/16W	R0229	0700041	CF 1K OHM +-5% 1/16W
R0165	0700067	CF 100K OHM +-5% 1/16W	R0230	0700041	CF 1K OHM +-5% 1/16W
R0166	0700067	CF 100K OHM +-5% 1/16W	R0231	0700041	CF 1K OHM +-5% 1/16W
R0167	0700067	CF 100K OHM +-5% 1/16W	R0232	0700041	CF 1K OHM +-5% 1/16W
R0168	0700067	CF 100K OHM +-5% 1/16W	R0233	0700041	CF 1K OHM +-5% 1/16W
R0171	0700064	CF 56K OHM +-5% 1/16W	R0234	0700054	CF 10K OHM +-5% 1/16W
R0172	0700051	CF 5.6K OHM +-5% 1/16W	R0235	0700054	CF 10K OHM +-5% 1/16W
R0173	0700049	CF 4.7K OHM +-5% 1/16W	R0236	0700058	CF 22K OHM +-5% 1/16W
R0174	0700045	CF 2.2K OHM +-5% 1/16W	R0237	0700061	CF 33K OHM +-5% 1/16W
R0175	0700049	CF 4.7K OHM +-5% 1/16W	R0238	0700054	CF 10K OHM +-5% 1/16W
R0176	0700067	CF 100K OHM +-5% 1/16W	R0239	0700054	CF 10K OHM +-5% 1/16W
R0177	0700058	CF 22K OHM +-5% 1/16W	R0240	0700058	CF 22K OHM +-5% 1/16W
R0178	0700049	CF 4.7K OHM +-5% 1/16W	R0241	0700032	CF 220 OHM +-5% 1/16W
R0179	0700031	CF 180 OHM +-5% 1/16W	R0242	0700052	CF 6.8K OHM +-5% 1/16W
R0180	0700047	CF 3.3K OHM +-5% 1/16W	R0243	0700064	CF 56K OHM +-5% 1/16W
R0181	0700066	CF 82K OHM +-5% 1/16W	R0244	0700047	CF 3.3K OHM +-5% 1/16W
R0182	0100083	CF 5.6K OHM +-5% 1/8W	R0245	0700054	CF 10K OHM +-5% 1/16W
R0183	0700058	CF 22K OHM +-5% 1/16W	R0246	0700054	CF 10K OHM +-5% 1/16W
R0184	0100067	CF 1.2K OHM +-5% 1/8W	R0247	0100065	CF 1K OHM +-5% 1/8W
R0186	0700047	CF 3.3K OHM +-5% 1/16W	R0248	0700041	CF 1K OHM +-5% 1/16W
R0189	0700052	CF 6.8K OHM +-5% 1/16W	R0249	0700041	CF 1K OHM +-5% 1/16W
R0190	0700049	CF 4.7K OHM +-5% 1/16W	R0250	0700041	CF 1K OHM +-5% 1/16W
R0192	0700041	CF 1K OHM +-5% 1/16W	R0251	0700041	CF 1K OHM +-5% 1/16W
R0193	0700048	CF 3.9K OHM +-5% 1/16W	R0401	0700051	CF 5.6K OHM +-5% 1/16W
R0194	0700056	CF 15K OHM +-5% 1/16W	R0402	0150287	VR 10K OHM-B
R0195	0700048	CF 3.9K OHM +-5% 1/16W	R0403	0100133	CF 680K OHM +-5% 1/8W
R0196	0700041	CF 1K OHM +-5% 1/16W	R0404	0100117	CF 150K OHM +-5% 1/8W
R0197	0700054	CF 10K OHM +-5% 1/16W	R0405	0700059	CF 27K OHM +-5% 1/16W
R0199	0700054	CF 10K OHM +-5% 1/16W	R0406	0150138	VR 20K OHM-B
R0201	0700058	CF 22K OHM +-5% 1/16W	⚠R0407	0119514	FR 10 OHM +-5% 1/4W
R0202	0113713	CF 33 OHM +-5% 1/2W	R0408	0187074	CF 2.4K OHM +-5% 1/16W
R0203	0700041	CF 1K OHM +-5% 1/16W	R0409	0150286	VR 5K OHM B
R0204	0700041	CF 1K OHM +-5% 1/16W	R0410	0700036	CF 470 OHM +-5% 1/16W
R0205	0700041	CF 1K OHM +-5% 1/16W	R0411	0150286	VR 5K OHM B
R0206	0700041	CF 1K OHM +-5% 1/16W	R0412	0700064	CF 56K OHM +-5% 1/16W
R0207	0700041	CF 1K OHM +-5% 1/16W	R0413	0700064	CF 56K OHM +-5% 1/16W
R0208	0700041	CF 1K OHM +-5% 1/16W	R0414	0700041	CF 1K OHM +-5% 1/16W

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SYSMBOL NO.	PART NO.	DESCRIPTION	SYSMBOL NO.	PART NO.	DESCRIPTION
R0415	0100121	CF 220K OHM +-5% 1/8W	R3033	0700041	CF 1K OHM +-5% 1/16W
R0416	0700066	CF 82K OHM +-5% 1/16W	R3035	0700037	CF 560 OHM +-5% 1/16W
R0417	0150139	VR 50K OHM-B	R3037	0700035	CF 390 OHM +-5% 1/16W
R0418	0700038	CF 680 OHM +-5% 1/16W	R3038	0700063	CF 47K OHM +-5% 1/16W
R0419	0700038	CF 680 OHM +-5% 1/16W	R3039	0700027	CF 100 OHM +-5% 1/16W
R0420	0187080	CF 4.3K OHM +-5% 1/16W	R304	0100059	CF 560 OHM +-5% 1/8W
R0421	0187080	CF 4.3K OHM +-5% 1/16W	R3040	0700041	CF 1K OHM +-5% 1/16W
R0422	0700046	CF 2.7K OHM +-5% 1/16W	R3041	0700063	CF 47K OHM +-5% 1/16W
R0423	0700054	CF 10K OHM +-5% 1/16W	R3042	0114137	CF 180 OHM +-5% 1/4W
R0424	0700054	CF 10K OHM +-5% 1/16W	R3043	0700027	CF 100 OHM +-5% 1/16W
R0425	0700054	CF 10K OHM +-5% 1/16W	R3044	0700038	CF 680 OHM +-5% 1/16W
R0427	0700054	CF 10K OHM +-5% 1/16W	R3045	0700037	CF 560 OHM +-5% 1/16W
R0428	0700054	CF 10K OHM +-5% 1/16W	R3046	0150282	VR 500 OHM(B)
R0429	0700054	CF 10K OHM +-5% 1/16W	R3047	0700036	CF 470 OHM +-5% 1/16W
R0430	0114133	CF 120 OHM +-5% 1/4W	R3048	0187058	CF 51 OHM +-5% 1/16W
R0431	0100065	CF 1K OHM +-5% 1/8W	R3049	0700037	CF 560 OHM +-5% 1/16W
R0432	0100065	CF 1K OHM +-5% 1/8W	R305	0100123	CF 270K OHM +-5% 1/8W
R101	0100065	CF 1K OHM +-5% 1/8W	R3050	0700037	CF 560 OHM +-5% 1/16W
R102	0700054	CF 10K OHM +-5% 1/16W	R3051	0150283	VR 1K OHM-B
R103	0700054	CF 10K OHM +-5% 1/16W	R3052	0700032	CF 220 OHM +-5% 1/16W
R104	0700054	CF 10K OHM +-5% 1/16W	R3053	0700045	CF 2.2K OHM +-5% 1/16W
R105	0700065	CF 68K OHM +-5% 1/16W	R3054	0700038	CF 680 OHM +-5% 1/16W
R108	0100065	CF 1K OHM +-5% 1/8W	R3055	0700045	CF 2.2K OHM +-5% 1/16W
R109	0700022	CF 39 OHM +-5% 1/16W	R3056	0700037	CF 560 OHM +-5% 1/16W
R110	0100127	CF 390K OHM +-5% 1/8W	R3059	0150286	VR 5K OHM B
R111	0100117	CF 150K OHM +-5% 1/8W	R306	0700054	CF 10K OHM +-5% 1/16W
R112	0100121	CF 220K OHM +-5% 1/8W	R3065	0700041	CF 1K OHM +-5% 1/16W
R113	0700036	CF 470 OHM +-5% 1/16W	R3066	0700032	CF 220 OHM +-5% 1/16W
R116	0700041	CF 1K OHM +-5% 1/16W	R3067	0700032	CF 220 OHM +-5% 1/16W
R119	0113725	CF 100 OHM +-5% 1/2W	R307	0700049	CF 4.7K OHM +-5% 1/16W
R120	0114001	CF 2.2 OHM +-5% 1/4W	R308	0700054	CF 10K OHM +-5% 1/16W
R121	0700041	CF 1K OHM +-5% 1/16W	R310	0700049	CF 4.7K OHM +-5% 1/16W
R3001	0100041	CF 100 OHM +-5% 1/8W	R311	0100117	CF 150K OHM +-5% 1/8W
R3002	0100038	CF 75 OHM +-5% 1/8W	R312	0700039	CF 820 OHM +-5% 1/16W
R3003	0100038	CF 75 OHM +-5% 1/8W	R313	0700054	CF 10K OHM +-5% 1/16W
R3004	0100041	CF 100 OHM +-5% 1/8W	R315	0700041	CF 1K OHM +-5% 1/16W
R3005	0100038	CF 75 OHM +-5% 1/8W	R316	0700033	CF 270 OHM +-5% 1/16W
R3006	0100041	CF 100 OHM +-5% 1/8W	R317	0700044	CF 1.8K OHM +-5% 1/16W
R3007	0100038	CF 75 OHM +-5% 1/8W	R318	0700054	CF 10K OHM +-5% 1/16W
R3008	0100041	CF 100 OHM +-5% 1/8W	R319	0700054	CF 10K OHM +-5% 1/16W
R3009	0100038	CF 75 OHM +-5% 1/8W	R320	0700056	CF 15K OHM +-5% 1/16W
R301	0700032	CF 220 OHM +-5% 1/16W	R321	0700054	CF 10K OHM +-5% 1/16W
R3010	0100037	CF 68 OHM +-5% 1/8W	R322	0700048	CF 3.9K OHM +-5% 1/16W
R3011	0100113	CF 100K OHM +-5% 1/8W	R323	0700051	CF 5.6K OHM +-5% 1/16W
R3016	0100041	CF 100 OHM +-5% 1/8W	R325	0700067	CF 100K OHM +-5% 1/16W
R3017	0700032	CF 220 OHM +-5% 1/16W	R327	0100127	CF 390K OHM +-5% 1/8W
R302	0700062	CF 39K OHM +-5% 1/16W	R328	0187106	CF 51K OHM +-5% 1/16W
R3024	0113725	CF 100 OHM +-5% 1/2W	R329	0700059	CF 27K OHM +-5% 1/16W
R3025	0700034	CF 330 OHM +-5% 1/16W	R330	0700049	CF 4.7K OHM +-5% 1/16W
R3026	0114135	CF 150 OHM +-5% 1/4W	R331	0700041	CF 1K OHM +-5% 1/16W
R3027	0100065	CF 1K OHM +-5% 1/8W	R332	0100119	CF 180K OHM +-5% 1/8W
R3028	0100065	CF 1K OHM +-5% 1/8W	R333	0700054	CF 10K OHM +-5% 1/16W
R3029	0100065	CF 1K OHM +-5% 1/8W	R334	0700041	CF 1K OHM +-5% 1/16W
R303	0700054	CF 10K OHM +-5% 1/16W	R335	0700034	CF 330 OHM +-5% 1/16W
R3032	0700032	CF 220 OHM +-5% 1/16W	R336	0700054	CF 10K OHM +-5% 1/16W

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SYSMBOL NO.	PART NO.	DESCRIPTION	SYSMBOL NO.	PART NO.	DESCRIPTION
R337	0700049	CF 4.7K OHM +-5% 1/16W	R4021	0100065	CF 1K OHM +-5% 1/8W
R338	0700027	CF 100 OHM +-5% 1/16W	R4022	0100065	CF 1K OHM +-5% 1/8W
R339	0100053	CF 330 OHM +-5% 1/8W	R4023	0100065	CF 1K OHM +-5% 1/8W
R340	0700014	CF 10 OHM +-5% 1/16W	R4024	0100065	CF 1K OHM +-5% 1/8W
R342	0114145	CF 390 OHM +-5% 1/4W	R4025	0100065	CF 1K OHM +-5% 1/8W
R343	0700045	CF 2.2K OHM +-5% 1/16W	R4026	0100065	CF 1K OHM +-5% 1/8W
R345	0700054	CF 10K OHM +-5% 1/16W	R4027	0700041	CF 1K OHM +-5% 1/16W
R351	0700031	CF 180 OHM +-5% 1/16W	R4028	0700041	CF 1K OHM +-5% 1/16W
R352	0700051	CF 5.6K OHM +-5% 1/16W	R4029	0113725	CF 100 OHM +-5% 1/2W
R354	0700054	CF 10K OHM +-5% 1/16W	R403	0700051	CF 5.6K OHM +-5% 1/16W
R355	0700045	CF 2.2K OHM +-5% 1/16W	R4034	0700032	CF 220 OHM +-5% 1/16W
R356	0700047	CF 3.3K OHM +-5% 1/16W	R4035	0700032	CF 220 OHM +-5% 1/16W
R357	0700057	CF 18K OHM +-5% 1/16W	R4036	0700032	CF 220 OHM +-5% 1/16W
R358	0150287	VR 10K OHM-B	R4037	0700041	CF 1K OHM +-5% 1/16W
R359	0700059	CF 27K OHM +-5% 1/16W	R4038	0700032	CF 220 OHM +-5% 1/16W
R361	0700051	CF 5.6K OHM +-5% 1/16W	R4039	0700041	CF 1K OHM +-5% 1/16W
R362	0700054	CF 10K OHM +-5% 1/16W	R404	0700041	CF 1K OHM +-5% 1/16W
R363	0700054	CF 10K OHM +-5% 1/16W	R4040	0700067	CF 100K OHM +-5% 1/16W
R364	0700047	CF 3.3K OHM +-5% 1/16W	R4041	0700067	CF 100K OHM +-5% 1/16W
R367	0187048	CF 200 OHM +-5% 1/16W	R4042	0700051	CF 5.6K OHM +-5% 1/16W
R371	0700054	CF 10K OHM +-5% 1/16W	R4043	0700058	CF 22K OHM +-5% 1/16W
R372	0700045	CF 2.2K OHM +-5% 1/16W	R4044	0700032	CF 220 OHM +-5% 1/16W
R373	0700061	CF 33K OHM +-5% 1/16W	R4045	0700032	CF 220 OHM +-5% 1/16W
R374	0700058	CF 22K OHM +-5% 1/16W	R405	0700056	CF 15K OHM +-5% 1/16W
R375	0700061	CF 33K OHM +-5% 1/16W	R4051	0700044	CF 1.8K OHM +-5% 1/16W
R376	0700043	CF 1.5K OHM +-5% 1/16W	R4052	0700044	CF 1.8K OHM +-5% 1/16W
R377	0187080	CF 4.3K OHM +-5% 1/16W	R4053	0700053	CF 8.2K OHM +-5% 1/16W
R379	0100121	CF 220K OHM +-5% 1/8W	R4054	0700053	CF 8.2K OHM +-5% 1/16W
R380	0700041	CF 1K OHM +-5% 1/16W	R4055	0700041	CF 1K OHM +-5% 1/16W
R386	0700035	CF 390 OHM +-5% 1/16W	R4056	0700053	CF 8.2K OHM +-5% 1/16W
R387	0700051	CF 5.6K OHM +-5% 1/16W	R4057	0700053	CF 8.2K OHM +-5% 1/16W
R388	0700043	CF 1.5K OHM +-5% 1/16W	R4058	0150284	VR 2K OHM-B
R389	0700047	CF 3.3K OHM +-5% 1/16W	R406	0700032	CF 220 OHM +-5% 1/16W
R390	0100117	CF 150K OHM +-5% 1/8W	R4060	0700027	CF 100 OHM +-5% 1/16W
R391	0700039	CF 820 OHM +-5% 1/16W	R4061	0700051	CF 5.6K OHM +-5% 1/16W
R392	0100131	CF 560K OHM +-5% 1/8W	R4062	0700051	CF 5.6K OHM +-5% 1/16W
R393	0700033	CF 270 OHM +-5% 1/16W	R4063	0700027	CF 100 OHM +-5% 1/16W
R396	0700054	CF 10K OHM +-5% 1/16W	R4064	0700041	CF 1K OHM +-5% 1/16W
R399	0700054	CF 10K OHM +-5% 1/16W	R4066	0700038	CF 680 OHM +-5% 1/16W
R4007	0100113	CF 100K OHM +-5% 1/8W	R4067	0700054	CF 10K OHM +-5% 1/16W
R4008	0100113	CF 100K OHM +-5% 1/8W	R4068	0700053	CF 8.2K OHM +-5% 1/16W
R4009	0100113	CF 100K OHM +-5% 1/8W	R4069	0700054	CF 10K OHM +-5% 1/16W
⚠R401	0119514	FR 10 OHM +-5% 1/4W	R407	0700054	CF 10K OHM +-5% 1/16W
R4010	0100113	CF 100K OHM +-5% 1/8W	R4070	0700054	CF 10K OHM +-5% 1/16W
R4011	0100113	CF 100K OHM +-5% 1/8W	R4071	0700045	CF 2.2K OHM +-5% 1/16W
R4012	0100113	CF 100K OHM +-5% 1/8W	R4072	0700043	CF 1.5K OHM +-5% 1/16W
R4013	0100065	CF 1K OHM +-5% 1/8W	⚠R4078	0119514	FR 10 OHM +-5% 1/4W
R4014	0100113	CF 100K OHM +-5% 1/8W	R408	0100077	CF 3.3K OHM +-5% 1/8W
R4015	0100065	CF 1K OHM +-5% 1/8W	R409	0700041	CF 1K OHM +-5% 1/16W
R4016	0100113	CF 100K OHM +-5% 1/8W	R410	0700032	CF 220 OHM +-5% 1/16W
R4017	0100065	CF 1K OHM +-5% 1/8W	R4107	0100065	CF 1K OHM +-5% 1/8W
R4018	0100113	CF 100K OHM +-5% 1/8W	R4108	0700027	CF 100 OHM +-5% 1/16W
R4019	0100065	CF 1K OHM +-5% 1/8W	R411	0100077	CF 3.3K OHM +-5% 1/8W
R402	0100049	CF 220 OHM +-5% 1/8W	R4114	0700041	CF 1K OHM +-5% 1/16W
R4020	0100113	CF 100K OHM +-5% 1/8W	R4115	0187052	CF 300 OHM +-5% 1/16W

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SYSMBOL NO.	PART NO.	DESCRIPTION	SYSMBOL NO.	PART NO.	DESCRIPTION
R4118	0700051	CF 5.6K OHM +-5% 1/16W	R501	0100125	CF 330K OHM +-5% 1/8W
R4119	0700064	CF 56K OHM +-5% 1/16W	R502	0700049	CF 4.7K OHM +-5% 1/16W
R412	0100077	CF 3.3K OHM +-5% 1/8W	R503	0700054	CF 10K OHM +-5% 1/16W
R4120	0700041	CF 1K OHM +-5% 1/16W	R504	0700058	CF 22K OHM +-5% 1/16W
R4121	0700058	CF 22K OHM +-5% 1/16W	R505	0700066	CF 82K OHM +-5% 1/16W
R4122	0187052	CF 300 OHM +-5% 1/16W	R506	0700066	CF 82K OHM +-5% 1/16W
R4123	0700051	CF 5.6K OHM +-5% 1/16W	R507	0100049	CF 220 OHM +-5% 1/8W
R4124	0700064	CF 56K OHM +-5% 1/16W	R508	0100049	CF 220 OHM +-5% 1/8W
R4125	0700058	CF 22K OHM +-5% 1/16W	R509	0100049	CF 220 OHM +-5% 1/8W
R4126	0700045	CF 2.2K OHM +-5% 1/16W	R510	0700063	CF 47K OHM +-5% 1/16W
R4127	0700041	CF 1K OHM +-5% 1/16W	R511	0700063	CF 47K OHM +-5% 1/16W
R4128	0700041	CF 1K OHM +-5% 1/16W	R512	0700067	CF 100K OHM +-5% 1/16W
R4129	0700045	CF 2.2K OHM +-5% 1/16W	R513	0700054	CF 10K OHM +-5% 1/16W
R413	0700022	CF 39 OHM +-5% 1/16W	R514	0700052	CF 6.8K OHM +-5% 1/16W
R4130	0700045	CF 2.2K OHM +-5% 1/16W	R515	0700055	CF 12K OHM +-5% 1/16W
R4131	0700045	CF 2.2K OHM +-5% 1/16W	R516	0700049	CF 4.7K OHM +-5% 1/16W
R4133	0700058	CF 22K OHM +-5% 1/16W	R517	0700032	CF 220 OHM +-5% 1/16W
R4136	0700047	CF 3.3K OHM +-5% 1/16W	R519	0700041	CF 1K OHM +-5% 1/16W
R4137	0700047	CF 3.3K OHM +-5% 1/16W	R521	0700066	CF 82K OHM +-5% 1/16W
R4138	0700031	CF 180 OHM +-5% 1/16W	R522	0700054	CF 10K OHM +-5% 1/16W
R4139	0700031	CF 180 OHM +-5% 1/16W	R523	0700054	CF 10K OHM +-5% 1/16W
R415	0700022	CF 39 OHM +-5% 1/16W	R524	0700054	CF 10K OHM +-5% 1/16W
R417	0700031	CF 180 OHM +-5% 1/16W	R527	0700056	CF 15K OHM +-5% 1/16W
⚠R419	01195051	FR 2.2 OHM +-5% 1/4W	R528	0100117	CF 150K OHM +-5% 1/8W
⚠R420	01195051	FR 2.2 OHM +-5% 1/4W	R529	0700054	CF 10K OHM +-5% 1/16W
R4201	0700049	CF 4.7K OHM +-5% 1/16W	R530	0187100	CF 30K OHM +-5% 1/16W
R4202	0700047	CF 3.3K OHM +-5% 1/16W	R531	0100124	CF 300K OHM +-5% 1/8W
R4203	0700045	CF 2.2K OHM +-5% 1/16W	R532	0700054	CF 10K OHM +-5% 1/16W
R4204	0700043	CF 1.5K OHM +-5% 1/16W	R533	0700037	CF 560 OHM +-5% 1/16W
R4206	0700048	CF 3.9K OHM +-5% 1/16W	R534	0700032	CF 220 OHM +-5% 1/16W
R4207	0700058	CF 22K OHM +-5% 1/16W	R535	0700048	CF 3.9K OHM +-5% 1/16W
R4208	0700063	CF 47K OHM +-5% 1/16W	R536	0700054	CF 10K OHM +-5% 1/16W
R4209	0700057	CF 18K OHM +-5% 1/16W	R537	0700054	CF 10K OHM +-5% 1/16W
R421	0114161	CF 1K OHM +-5% 1/4W	R601	0700027	CF 100 OHM +-5% 1/16W
R4210	0700058	CF 22K OHM +-5% 1/16W	R602	0700027	CF 100 OHM +-5% 1/16W
R4211	0700066	CF 82K OHM +-5% 1/16W	R603	0100127	CF 390K OHM +-5% 1/8W
R4212	0700066	CF 82K OHM +-5% 1/16W	R604	0700034	CF 330 OHM +-5% 1/16W
R4213	0700047	CF 3.3K OHM +-5% 1/16W	R605	0700054	CF 10K OHM +-5% 1/16W
R4214	0700037	CF 560 OHM +-5% 1/16W	R606	0700059	CF 27K OHM +-5% 1/16W
R4215	0100115	CF 120K OHM +-5% 1/8W	R607	0700062	CF 39K OHM +-5% 1/16W
R4216	0700053	CF 8.2K OHM +-5% 1/16W	R608	0700054	CF 10K OHM +-5% 1/16W
R4217	0700051	CF 5.6K OHM +-5% 1/16W	R609	0150280	VR 200 OHM-B
R422	0114161	CF 1K OHM +-5% 1/4W	R610	0700029	CF 150 OHM +-5% 1/16W
R4222	0700038	CF 680 OHM +-5% 1/16W	R611	0113686	CF 2.7 OHM +-5% 1/2W
⚠R423	01195051	FR 2.2 OHM +-5% 1/4W	R612	0113688	CF 3.3 OHM +-5% 1/2W
R424	0114161	CF 1K OHM +-5% 1/4W	R613	0110125	MF 150 OHM +-5% 1W
R425	0700054	CF 10K OHM +-5% 1/16W	R614	0113746	CF 680 OHM +-5% 1/2W
R426	0179536	MG 1M OHM +-5% 1/8W	R615	0700037	CF 560 OHM +-5% 1/16W
R427	0700051	CF 5.6K OHM +-5% 1/16W	R616	0700032	CF 220 OHM +-5% 1/16W
R4306	0700052	CF 6.8K OHM +-5% 1/16W	R617	0700036	CF 470 OHM +-5% 1/16W
R4307	0700052	CF 6.8K OHM +-5% 1/16W	R620	0187110	CF 75K OHM +-5% 1/16W
R491	0113731	CF 180 OHM +-5% 1/2W	R621	0700041	CF 1K OHM +-5% 1/16W
R492	0700027	CF 100 OHM +-5% 1/16W	R622	0700046	CF 2.7K OHM +-5% 1/16W
R493	0700041	CF 1K OHM +-5% 1/16W	R623	0700043	CF 1.5K OHM +-5% 1/16W
R494	0110221	MF 100 OHM +-5% 2W	R624A	0700053	CF 8.2K OHM +-5% 1/16W

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SYSMBOL NO.	PART NO.	DESCRIPTION	SYSMBOL NO.	PART NO.	DESCRIPTION
R626	0700057	CF 18K OHM +-5% 1/16W	⚠R726	01195051	FR 2.2 OHM +-5% 1/4W
R627	0100121	CF 220K OHM +-5% 1/8W	R727	0119691	MG 0.33OHM +-5% 1W
R628	0700061	CF 33K OHM +-5% 1/16W	R728	0700044	CF 1.8K OHM +-5% 1/16W
R629	0700061	CF 33K OHM +-5% 1/16W	⚠R729	0700048	CF 3.9K OHM +-5% 1/16W
R630	0100051	CF 270 OHM +-5% 1/8W	R732	0100077	CF 3.3K OHM +-5% 1/8W
R640	0113739	CF 390 OHM +-5% 1/2W	R734	0110141	MF 680 OHM +-5% 1W
R645	0700041	CF 1K OHM +-5% 1/16W	R735	0113754	CF 1.5K OHM +-5% 1/2W
R646	0150287	VR 10K OHM-B	⚠R736	0700032	CF 220 OHM +-5% 1/16W
R647	0700041	CF 1K OHM +-5% 1/16W	R737	0113731	CF 180 OHM +-5% 1/2W
R648	0700027	CF 100 OHM +-5% 1/16W	R738	0100101	CF 33K OHM +-5% 1/8W
R650	0700064	CF 56K OHM +-5% 1/16W	⚠R740	0700053	CF 8.2K OHM +-5% 1/16W
R651	0187106	CF 51K OHM +-5% 1/16W	R742	0113795	CF 68K OHM +-5% 1/2W
R651A	0700052	CF 6.8K OHM +-5% 1/16W	R742B	0113797	CF 82K OHM +-5% 1/2W
R652	0700064	CF 56K OHM +-5% 1/16W	R743	0700048	CF 3.9K OHM +-5% 1/16W
R653	0700064	CF 56K OHM +-5% 1/16W	⚠R745	0700054	CF 10K OHM +-5% 1/16W
R654	0700059	CF 27K OHM +-5% 1/16W	⚠R746	0700053	CF 8.2K OHM +-5% 1/16W
R655	0700057	CF 18K OHM +-5% 1/16W	R748	0187026	CF 24 OHM +-5% 1/16W
R656	0700049	CF 4.7K OHM +-5% 1/16W	R750	0100073	CF 2.2K OHM +-5% 1/8W
R657	0114141	CF 270 OHM +-5% 1/4W	R751	0700065	CF 68K OHM +-5% 1/16W
R658	0100121	CF 220K OHM +-5% 1/8W	R752	0150309	VR 100K OHM-B
R660	0700045	CF 2.2K OHM +-5% 1/16W	R753	0700056	CF 15K OHM +-5% 1/16W
R661	0700044	CF 1.8K OHM +-5% 1/16W	R754	0700038	CF 680 OHM +-5% 1/16W
R662	0110115	MF 56 OHM +-5% 1W	R755	0150306	VR 20K OHM-B
R663	0700038	CF 680 OHM +-5% 1/16W	R756	0700059	CF 27K OHM +-5% 1/16W
R664	0100057	CF 470 OHM +-5% 1/8W	R757	0700064	CF 56K OHM +-5% 1/16W
R665	0700064	CF 56K OHM +-5% 1/16W	R758	0700051	CF 5.6K OHM +-5% 1/16W
R665A	0100115	CF 120K OHM +-5% 1/8W	R759	0700064	CF 56K OHM +-5% 1/16W
R666	0700067	CF 100K OHM +-5% 1/16W	R760	0700066	CF 82K OHM +-5% 1/16W
R667	0700067	CF 100K OHM +-5% 1/16W	R762	0700058	CF 22K OHM +-5% 1/16W
R668	0700067	CF 100K OHM +-5% 1/16W	R763	0110271	MF 12K OHM +-5% 2W
R669	0700064	CF 56K OHM +-5% 1/16W	R763A	0113756	CF 1.8K OHM +-5% 1/2W
R670	0100133	CF 680K OHM +-5% 1/8W	R764	0100087	CF 8.2K OHM +-5% 1/8W
R701	0187076	CF 3K OHM +-5% 1/16W	R765	0700055	CF 12K OHM +-5% 1/16W
R702	0700024	CF 56 OHM +-5% 1/16W	R766	0700032	CF 220 OHM +-5% 1/16W
R703	0700047	CF 3.3K OHM +-5% 1/16W	R767	0700044	CF 1.8K OHM +-5% 1/16W
R704	0700034	CF 330 OHM +-5% 1/16W	R768	0700056	CF 15K OHM +-5% 1/16W
R706	0700049	CF 4.7K OHM +-5% 1/16W	R769	0700054	CF 10K OHM +-5% 1/16W
R707	0700039	CF 820 OHM +-5% 1/16W	R770	0700035	CF 390 OHM +-5% 1/16W
R708	0100117	CF 150K OHM +-5% 1/8W	R771	0700042	CF 1.2K OHM +-5% 1/16W
R709	0700046	CF 2.7K OHM +-5% 1/16W	R772	0700064	CF 56K OHM +-5% 1/16W
R710	0700045	CF 2.2K OHM +-5% 1/16W	R773	0700032	CF 220 OHM +-5% 1/16W
R711	0113744	CF 560 OHM +-5% 1/2W	R774	0700063	CF 47K OHM +-5% 1/16W
R712	0114049	CF 22 OHM +-5% 1/4W	R775	0100061	CF 680 OHM +-5% 1/8W
R713	0700067	CF 100K OHM +-5% 1/16W	R777	0700032	CF 220 OHM +-5% 1/16W
R714	0700058	CF 22K OHM +-5% 1/16W	R778	0100055	CF 390 OHM +-5% 1/8W
R715	0100127	CF 390K OHM +-5% 1/8W	R779	0700041	CF 1K OHM +-5% 1/16W
R716	0113729	CF 150 OHM +-5% 1/2W	R780	0700043	CF 1.5K OHM +-5% 1/16W
R717	0700067	CF 100K OHM +-5% 1/16W	R782	0110119	MF 82 OHM +-5% 1W
R718	0100037	CF 68 OHM +-5% 1/8W	R783	0700045	CF 2.2K OHM +-5% 1/16W
R720	0114143	CF 330 OHM +-5% 1/4W	R784	0700042	CF 1.2K OHM +-5% 1/16W
⚠R721	01195121	FR 1 OHM +-5% 1/4W	R787	0110203	MF 18 OHM +-5% 2W
⚠R722	0119838	FR 0.5 OHM +-5% 1/4W	R788	0113731	CF 180 OHM +-5% 1/2W
⚠R723	0119838	FR 0.5 OHM +-5% 1/4W	R789	0700018	CF 22 OHM +-5% 1/6W
⚠R724	01195121	FR 1 OHM +-5% 1/4W	R795	0700039	CF 820 OHM +-5% 1/16W
⚠R725	01195121	FR 1 OHM +-5% 1/4W	R796	0150291	VR 100K OHM-B

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SYSMBOL NO.	PART NO.	DESCRIPTION	SYSMBOL NO.	PART NO.	DESCRIPTION
R797	0113752	CF 1.2K OHM +-5% 1/2W	R914A	0110283	MF 39K OHM +-5% 2W
R798	0113760	CF 2.7K OHM +-5% 1/2W	R914B	0110283	MF 39K OHM +-5% 2W
R799	0100035	CF 56 OHM +-5% 1/8W	⚠R916	0119617	MF 2.7K OHM +-1% 1/8W
R801	0100077	CF 3.3K OHM +-5% 1/8W	⚠R917	0119617	MF 2.7K OHM +-1% 1/8W
R802	0100089	CF 10K OHM +-5% 1/8W	R918	0700043	CF 1.5K OHM +-5% 1/16W
R803	0100073	CF 2.2K OHM +-5% 1/8W	R919	0700067	CF 100K OHM +-5% 1/16W
R804	0100089	CF 10K OHM +-5% 1/8W	R920	0100133	CF 680K OHM +-5% 1/8W
R805	0100061	CF 680 OHM +-5% 1/8W	R921	0119643	FR 33KOHM +-1% 1/8W
R806	0100041	CF 100 OHM +-5% 1/8W	R922	0700054	CF 10K OHM +-5% 1/16W
R807	0100053	CF 330 OHM +-5% 1/8W	R923	0700031	CF 180 OHM +-5% 1/16W
R811	0100087	CF 8.2K OHM +-5% 1/8W	R924	0700045	CF 2.2K OHM +-5% 1/16W
R812	0100087	CF 8.2K OHM +-5% 1/8W	R925	0700043	CF 1.5K OHM +-5% 1/16W
R813	0100087	CF 8.2K OHM +-5% 1/8W	R926	0700041	CF 1K OHM +-5% 1/16W
R821	0100041	CF 100 OHM +-5% 1/8W	R927	0700057	CF 18K OHM +-5% 1/16W
R851	0110367	MF 8.2K OHM +-5% 3W	⚠R928	0100103	CF 39K OHM +-5% 1/8W
R852	0110367	MF 8.2K OHM +-5% 3W	⚠R929	0150152	VR 1K OHM-B RV-6
R853	0110367	MF 8.2K OHM +-5% 3W	⚠R930	0100075	CF 2.7K OHM +-5% 1/8W
R854	0100033	CF 47 OHM +-5% 1/8W	⚠R931	0700036	CF 470 OHM +-5% 1/16W
R855	0100033	CF 47 OHM +-5% 1/8W	R937	0700049	CF 4.7K OHM +-5% 1/16W
R856	0100033	CF 47 OHM +-5% 1/8W	R938	0700035	CF 390 OHM +-5% 1/16W
R875	0113750	CF 1K OHM +-5% 1/2W	R940	0700041	CF 1K OHM +-5% 1/16W
R876	0113750	CF 1K OHM +-5% 1/2W	R941	0113766	CF 4.7K OHM +-5% 1/2W
R877	0113750	CF 1K OHM +-5% 1/2W	R942	0110379	MF 27K OHM +-5% 3W
R878	0100053	CF 330 OHM +-5% 1/8W	R942A	0110377	MF 22K OHM +-5% 3W
R879	0100053	CF 330 OHM +-5% 1/8W	R944	0700055	CF 12K OHM +-5% 1/16W
R880	0100053	CF 330 OHM +-5% 1/8W	R945	0700056	CF 15K OHM +-5% 1/16W
R881	0114131	CF 100 OHM +-5% 1/4W	R946	0114215	CF 39K OHM +-5% 1/4W
R882	0114131	CF 100 OHM +-5% 1/4W	R947	0100117	CF 150K OHM +-5% 1/8W
R883	0114131	CF 100 OHM +-5% 1/4W	R950	0700051	CF 5.6K OHM +-5% 1/16W
R884	0100061	CF 680 OHM +-5% 1/8W	R951	0100073	CF 2.2K OHM +-5% 1/8W
R885	0150112	VR 2K OHM-B	R952	0700049	CF 4.7K OHM +-5% 1/16W
R886	0100039	CF 82 OHM +-5% 1/8W	⚠R953	0119514	FR 10 OHM +-5% 1/4W
R887	0150109	VR 200 OHM-B RS-6	R954	0700041	CF 1K OHM +-5% 1/16W
R888	0100061	CF 680 OHM +-5% 1/8W	R955	0100107	CF 56K OHM +-5% 1/8W
R889	0150112	VR 2K OHM-B	R956	0100047	CF 180 OHM +-5% 1/8W
R890	0100039	CF 82 OHM +-5% 1/8W	R957	0100051	CF 270 OHM +-5% 1/8W
R891	0100043	CF 120 OHM +-5% 1/8W	R958	0700049	CF 4.7K OHM +-5% 1/16W
R892	0100061	CF 680 OHM +-5% 1/8W	R959	0100065	CF 1K OHM +-5% 1/8W
R893	0150112	VR 2K OHM-B	R964	0100133	CF 680K OHM +-5% 1/8W
R894	0150109	VR 200 OHM-B RS-6	R970	0113793	CF 56K OHM +-5% 1/2W
R895	0100039	CF 82 OHM +-5% 1/8W	⚠R971	0119508	FR 56 OHM +-5% 1/4W
R896	0100041	CF 100 OHM +-5% 1/8W	R972	0119688	MF 0.22 OHM +-5% 1W
R897	0100059	CF 560 OHM +-5% 1/8W	R973	0700054	CF 10K OHM +-5% 1/16W
R902	0141154	WW 2.2 OHM +-10% 15W	R974	0700054	CF 10K OHM +-5% 1/16W
⚠R903	0100111	CF 82K OHM +-5% 1/8W	R975	0700058	CF 22K OHM +-5% 1/16W
R904	0110221	MF 100 OHM +-5% 2W	R976	0700058	CF 22K OHM +-5% 1/16W
R905	0110255	MF 2.7K OHM +-5% 2W	R978	0110145	MF 1K OHM +-5% 1W
R905A	0113783	CF 22K OHM +-5% 1/2W	R979	0100097	CF 22K OHM +-5% 1/8W
⚠R906	01195121	FR 1 OHM +-5% 1/4W	R980	0113713	CF 33 OHM +-5% 1/2W
⚠R907	0119508	FR 56 OHM +-5% 1/4W	⚠R981	0119508	FR 56 OHM +-5% 1/4W
R908	0119696	MF 0.51 OHM +-5% 1W	⚠R982	01195051	FR 2.2 OHM +-5% 1/4W
R910	0194068	WW 1 OHM +-5% 2W	R987	0110147	MF 1.2K OHM +-5% 1W
⚠R911	0700054	CF 10K OHM +-5% 1/16W	R989	0700067	CF 100K OHM +-5% 1/16W
⚠R913	0700035	CF 390 OHM +-5% 1/16W	R991	0700047	CF 3.3K OHM +-5% 1/16W
R914	0110377	MF 22K OHM +-5% 3W	R992	0700054	CF 10K OHM +-5% 1/16W

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SYSMBOL NO.	PART NO.	DESCRIPTION
R993	0100073	CF 2.2K OHM +-5% 1/8W
R994	0700032	CF 220 OHM +-5% 1/16W
		ICs
IC0101	2001533	IC M37204M8-652SP (MICON)
IC0102	2381111	IC M6M80021L
IC0103	2380391	IC UPD6326C
IC0401	2000261	IC UPC1871CU
IC3001	2003811	IC M52472P (LINEAR)
IC3002	2383342	IC LVA522SA-2 (LINEAR)
IC3003	2383342	IC LVA522SA-2 (LINEAR)
IC301	2381832	IC HA11559NT
⚠IC402	2916321	IC LA4280
⚠IC403	2916321	IC LA4280
IC4101	2366392	IC AN5836
⚠IC501	2916634	IC HA11511CNT-01
IC502	2003501	IC LA7697(DS24) (LINEAR)
⚠IC601	2917361	IC UPC1498H
IC651	2362605	IC BA4558
⚠IC701	2000521	IC PC713F6 (LINEAR)
⚠IC901	2366721	IC UPC1394C
⚠IC951	2000465	IC PS2501-1 (KD/LD) (PHOTO COUPLER)
		TRANSISTORS
Q0101	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q0102	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q0104	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q0105	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q0106	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q0108	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q0109	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q0110	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q0111	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q0112	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q0401	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q0402	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q101	2320643	TR 2SC1213C SI 80MHZ 400MW
Q103	2323521	TR 2SD789 B/C/D/E
Q104	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q3001	2320643	TR 2SC1213C SI 80MHZ 400MW
Q3005	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q3006	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q3007	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q3008	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q301	2321321	TRANSISTOR 2SA844 (D/E)
Q3010	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q3011	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q302	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q303	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q304	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q305	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q306	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q307	2320637	TR 2SA673C/D SI 80MHZ 400MW

SYSMBOL NO.	PART NO.	DESCRIPTION
Q308	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q312	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q313	2321321	TRANSISTOR 2SA844 (D/E)
Q314	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4001	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4002	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4003	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q4004	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q4005	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q402	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q403	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q404	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4051	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4052	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4053	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4054	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4055	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4056	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4101	2320643	TR 2SC1213C SI 80MHZ 400MW
Q4102	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q4103	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q4201	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4202	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4203	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q4204	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q491	2323523	TRANSISTOR 2SD789 (D)
Q501	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q502	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q503	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q601	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q602	2321321	TRANSISTOR 2SA844 (D/E)
Q603	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q604	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q651	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q701	2323526	TRANSISTOR 2SD789 D/E
⚠Q702	2315272	TRANSISTOR 2SC4589-03
⚠Q703	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q705	2323431	TR 2SC1983 SI
Q706	2323431	TR 2SC1983 SI
⚠Q708	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q750	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q751	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q752	2323431	TR 2SC1983 SI
Q770	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q771	2321321	TRANSISTOR 2SA844 (D/E)
Q772	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q851	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q852	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q853	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q854	2312371	TR 2SC3942
Q855	2312371	TR 2SC3942
Q856	2312371	TR 2SC3942
Q863	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q864	2320637	TR 2SA673C/D SI 80MHZ 400MW
⚠Q901	2328451	TR FN651

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SYSMBOL NO.	PART NO.	DESCRIPTION
Q902	2324322	TR 2SC2271/2SC2610-05 SI
⚠Q905	2326631	THYRISTOR CR5AS-8
Q907	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q908	2324322	TR 2SC2271/2SC2610-05 SI
Q909	2327883	TR 2SA1207
Q911	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q913	2318365	TRANSISTOR 2SB 1274(R/S)
Q914	2320596	TR 2SC458C/D SI 230MHZ 200MW
Q951	2323526	TRANSISTOR 2SD789 D/E
Q952	2323526	TRANSISTOR 2SD789 D/E
Q953	2323526	TRANSISTOR 2SD789 D/E
		DIODES
D0104	23383211	DI 1SS270
D0105	23383211	DI 1SS270
D0106	23383211	DI 1SS270
D0107	23383211	DI 1SS270
D0110	23383211	DI 1SS270
D0112	23383211	DI 1SS270
D0113	23383211	DI 1SS270
D0115	23383211	DI 1SS270
D0117	23383211	DI 1SS270
D0118	23383211	DI 1SS270
D0123	23383211	DI 1SS270
D0125	23383211	DI 1SS270
D0128	23383211	DI 1SS270
D0130	23383211	DI 1SS270
D0131	23383211	DI 1SS270
D0132	23383211	DI 1SS270
D0133	23383211	DI 1SS270
D0134	23383211	DI 1SS270
D0135	23383211	DI 1SS270
D0136	23383211	DI 1SS270
D0137	23383211	DI 1SS270
D0138	23383211	DI 1SS270
D0139	23394911	DI AM01Z
D0141	23383211	DI 1SS270
D0142	23383211	DI 1SS270
D0143	23383211	DI 1SS270
D0401	2339692	LED SLH-56MC77F
D0402	2339691	LED SLH-56VC77F
D301	23383211	DI 1SS270
D302	23383211	DI 1SS270
D303	23383211	DI 1SS270
D304	23383211	DI 1SS270
D305	23383211	DI 1SS270
D313	23383211	DI 1SS270
D314	23383211	DI 1SS270
D315	23383211	DI 1SS270
D316	23383211	DI 1SS270
D317	23383211	DI 1SS270
D401	23383211	DI 1SS270
D402	23383211	DI 1SS270
D403	23383211	DI 1SS270
D404	23383211	DI 1SS270
D501	23383211	DI 1SS270
D502	23383211	DI 1SS270
D503	23383211	DI 1SS270
D504	23383211	DI 1SS270
D601	23394911	DI AM01Z
D603	23383211	DI 1SS270
D606	23383211	DI 1SS270
D651	23383211	DI 1SS270
D652	23383211	DI 1SS270
D653	23383211	DI 1SS270
D654	23383211	DI 1SS270
D703	2348511	DIODE RS3FS
D704	2336612	DI RU3AM
D706	2338902	DI DFM1SA4
D707	2336612	DI RU3AM
⚠D709	23394811	DI AS01Z
D710	2338902	DI DFM1SA4
D711	23383211	DI 1SS270
D714	23373411	DI 1SS270A
D715	23373411	DI 1SS270A
D716	23383211	DI 1SS270
D719	23394811	DI AS01Z
D751	23383211	DI 1SS270
D752	23383211	DI 1SS270
D753	23383211	DI 1SS270
D770	23383211	DI 1SS270
D863	23383211	DI 1SS270
D864	23383211	DI 1SS270
D865	23383211	DI 1SS270
D872	23383211	DI 1SS270
D875	23383211	DI 1SS270
D876	23383211	DI 1SS270
D877	23383211	DI 1SS270
D878	23383211	DI 1SS270
D879	23383211	DI 1SS270
D880	23383211	DI 1SS270
D881	23383211	DI 1SS270
D882	23383211	DI 1SS270
⚠D901	2335982	DI RM11A
⚠D903	2335982	DI RM11A
D905	2336612	DI RU3AM
D906	2344071	DI ERC20M-04
D907	23394911	DI AM01Z
D908	23383211	DI 1SS270
D909	23394911	DI AM01Z
D910	23383211	DI 1SS270
D912	23394811	DI AS01Z
D915	23383211	DI 1SS270
D916	23383211	DI 1SS270
D951	23394911	DI AM01Z
D952	23394911	DI AM01Z
ZD0101	2334122	ZD RD5.1EB1 SI
ZD0102	2339839	ZD HZS5C3
ZD0104	2331849	ZD HZ-12(C3)

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SYSMBOL NO.	PART NO.	DESCRIPTION
ZD0504	2331155	ZD HZ12 (C1/C2/C3)
ZD0505	2331155	ZD HZ12 (C1/C2/C3)
ZD0506	2331155	ZD HZ12 (C1/C2/C3)
ZD101	2331155	ZD HZ12 (C1/C2/C3)
ZD102	2335991	ZD HZT-33
ZD103	2331809	ZD HZ-6 (C3)
ZD301	2339868M	ZD HZS9C2TA
ZD306	2339091M	ZD HZS9C1L TA
ZD4001	2331851M	DIODE-ZENER HZ-3(A)
ZD4002	2331851M	DIODE-ZENER HZ-3(A)
ZD401	2339885	ZD HZS12B2
ZD402	2339885	ZD HZS12B2
ZD403	2339885	ZD HZS12B2
ZD491	2339885	ZD HZS12B2
ZD501	2339091M	ZD HZS9C1L TA
ZD502	2339091M	ZD HZS9C1L TA
ZD503	2339091M	ZD HZS9C1L TA
ZD601	2339191M	ZD HZS20-1L TA
ZD652	2339102M	ZD HZS11A2L TA
ZD701	2339091M	ZD HZS9C1L TA
ZD702	2339191M	ZD HZS20-1L TA
ZD705	2339032	DIODE-ZENER HZS6C2L
ZD706	2339152M	ZD HZS12C2L TA
⚠ZD707	2339242	ZD HZS33-2L
⚠ZD708	2339223	ZD HZS27-3L
ZD709	2339873	DIODE-ZENER HZS11A3
ZD712	2339854M	ZD HZS7B1
ZD713	2339251	ZD HZS36-1L
ZD716	2339091M	ZD HZS9C1L TA
ZD717	2339242	ZD HZS33-2L
ZD751	2339251	ZD HZS36-1L
ZD851	2331781	ZD HZ4 (A1)
ZD854	2339817	DIODE-ZENER HZS3C1
ZD855	2339885	ZD HZS12B2
ZD856	2339885	ZD HZS12B2
ZD857	2339885	ZD HZS12B2
ZD859	2339817	DIODE-ZENER HZS3C1
ZD860	2339817	DIODE-ZENER HZS3C1
⚠ZD902	2339252	ZD HZS36-2L
⚠ZD903	2339031	ZD HZS6C1L
ZD904	2339251	ZD HZS36-1L
ZD905	2339201	DIODE-ZENER HZS22-1L
ZD906	2339817	DIODE-ZENER HZS3C1
⚠ZD907	2339252	ZD HZS36-2L
⚠ZD908	2339252	ZD HZS36-2L
⚠ZD909	2339252	ZD HZS36-2L
ZD910	2339021M	ZD HZS6B1L
ZD951	2339021M	ZD HZS6B1L
ZD952	2339867	DIODE-ZENER HZS9C1
ZD953	2339151	ZD HZS12C1L
		TRANSFORMERS
⚠T701	2274353	H.DRIVE TRANSFORMER
⚠T702	2436772	FLYBACK TRANSFORMER C87LLI
⚠T901	2215901	POWER TRANSFORMER
T902	2260021	HORIZONTAL DRIVE COIL
⚠T950	2215911	POWER TRANSFORMER
		FUSE
⚠F901	2721053	UL FUSE 5A
		COMPOUND COMPONENTS
⚠CP901	2790292	CAPRISTOR
⚠CP903	2790292	CAPRISTOR
MF0101	2163972	CERAMIC FILTER 6MHZ
MF301	2163971	CERAMIC FILTER
MF701	2786683	CERAMIC OSCILLATOR
		COILS
L0102	2791754	DSS306-55B101M
L0103	2791754	DSS306-55B101M
L0104	2791754	DSS306-55B101M
L0105	2791754	DSS306-55B101M
L0106	2791754	DSS306-55B101M
L0110	2122253	LA AXIAL COIL 100 MICRO H
L0111	2791754	DSS306-55B101M
L0112	2122942	LA AXIAL COIL 8.2 MICRO H +-10%
L0113	2122942	LA AXIAL COIL 8.2 MICRO H +-10%
L0114	2122942	LA AXIAL COIL 8.2 MICRO H +-10%
L0115	2122942	LA AXIAL COIL 8.2 MICRO H +-10%
L0116	2123461	FERRITE BEADS CORE
L101	2122253	LA AXIAL COIL 100 MICRO H
L3001	2122253	LA AXIAL COIL 100 MICRO H
L3002	2122253	LA AXIAL COIL 100 MICRO H
L3003	2122253	LA AXIAL COIL 100 MICRO H
L3004	2165811	B.P.FILTER SBP4370
L3005	2141148	1H DL COIL
L3006	2122939	LA AXIAL COIL 5.6 MICRO H
L3007	2122253	LA AXIAL COIL 100 MICRO H
L3008	2122253	LA AXIAL COIL 100 MICRO H
L301	2122253	LA AXIAL COIL 100 MICRO H
L302	2122253	LA AXIAL COIL 100 MICRO H
L304	2166121	TRAP COIL 3.58MHZ
L305	2122253	LA AXIAL COIL 100 MICRO H
L306	2122932M	LAL AXIAL COIL
L311	2122969	LA AXIAL COIL 1 MICRO H
L312	2122969	LA AXIAL COIL 1 MICRO H
L313	2122953	LA AXIAL COIL 56 MICRO H
L314	2122253	LA AXIAL COIL 100 MICRO H
L315	2122653	FERRITE BEADS CORE
L316	2122653	FERRITE BEADS CORE
L401	2122653	FERRITE BEADS CORE
L402	2122653	FERRITE BEADS CORE
L403	2122653	FERRITE BEADS CORE
L404	2122653	FERRITE BEADS CORE
L405	2122653	FERRITE BEADS CORE

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SYSMBOL NO.	PART NO.	DESCRIPTION
L504	2122953	LA AXIAL COIL 56 MICRO H
L702	2165403	H.LINEARITY COIL
⚠L704	2220513	COIL 0.01H
L705	2220591	CHOKING COIL
L709	2122099	FILTER COIL 18 MICRO H
L712	2120482	FILTER COIL 100 MICRO H +-10%
L713	2122099	FILTER COIL 18 MICRO H
L714	2122653	FERRITE BEADS CORE
L770	2123116M	LAL AXIAL COIL 100 MICRO H +-10%
L851	2122945	LA AXIAL COIL 15 MICRO H +-10%
L852	2122945	LA AXIAL COIL 15 MICRO H +-10%
L853	2122945	LA AXIAL COIL 15 MICRO H +-10%
L854	2122956	LA AXIAL COIL 100 MICRO H +-10%
L855	2122956	LA AXIAL COIL 100 MICRO H +-10%
L856	2122956	LA AXIAL COIL 100 MICRO H +-10%
L860	2122253	LA AXIAL COIL 100 MICRO H
L861	2122653	FERRITE BEADS CORE
L862	2123468	FERRITE BEADS CORE LEAD 0.8
L863	2123468	FERRITE BEADS CORE LEAD 0.8
L864	2123468	FERRITE BEADS CORE LEAD 0.8
L865	2123468	FERRITE BEADS CORE LEAD 0.8
L866	2123468	FERRITE BEADS CORE LEAD 0.8
L867	2123468	FERRITE BEADS CORE LEAD 0.8
L868	2123468	FERRITE BEADS CORE LEAD 0.8
L869	2123468	FERRITE BEADS CORE LEAD 0.8
L870	2123468	FERRITE BEADS CORE LEAD 0.8
⚠L901	2272293	LINE FILTER LL (T)
L903	2122653	FERRITE BEADS CORE
⚠L904	2125481	HIGH FREQUENCY COIL
L905	2122653	FERRITE BEADS CORE
L907	2124362	DC NOISE FILTER 2
L908	2122653	FERRITE BEADS CORE
L909	2122653	FERRITE BEADS CORE
L913	2122653	FERRITE BEADS CORE
L914	2122653	FERRITE BEADS CORE
L915	2122653	FERRITE BEADS CORE
L919	2122653	FERRITE BEADS CORE
L920	2122653	FERRITE BEADS CORE
L921	2122653	FERRITE BEADS CORE
L922	2122653	FERRITE BEADS CORE
L923	2122653	FERRITE BEADS CORE
L924	2122653	FERRITE BEADS CORE
L925	2122653	FERRITE BEADS CORE
⚠L995	2165743	DEGAUSSING COIL
		SWITCH
S0101	2633171	5 KEY TACT SWITCH 5P
S0102B	2632923	TACT SWITCH
S401	2622441	SLIDE SWITCH
		COLOR PICTURE TUBE
⚠V1	2471111	COLOR PICTURE TUBE M68JUA98X01 (HHEA MD)

SYSMBOL NO.	PART NO.	DESCRIPTION
		MISCELLANEOUS
	3142471	WOOFER BOX ASS'Y (HHEA MD)
	3104613	FRAME ASS'Y (HHEA MD)
⚠	3163605	BACK COVER ASS'Y (HHEA MD)
	4623711	RUBBER CORD HOLDER
	3727972	HOLDER-AC LINE CORD
	3872872	ANTENNA BASE
	3739671	CORD HOLDER
	3875771	LATCH
	3719342	CANOE RIVET
	4969113	ANTENNA BASE LABEL
	2771892	FERRITE BEADS CORE 004 (C969,Q702)
	2771894	FERRITE BEADS CORE 006 (D703)
	4520883	M3X12 SCREW WITH WASHER (D906,Q901,IC402,IC403)
	2771893	FERRITE BEADS CORE (Q103,Q702)
	8821234	3 NUT (Q702)
	8813124	WASHER (Q702)
	4520881	M3X8 SCREW WITH WASHER (Q706,Q752,IC601)
	4518771	3X10 TAPPING SCREW WITH SPRING WASHER (Q901)
	4243445	G51 INSULATOR (FBT)
	4518742	M2.3X12 SCREW WITH WASHER (FBT)
	8821114	NUT 3 (T901)
	3737101	PURSE LOCK 15
	2788841	ANODE CLAMP
	3700342	WIRE CLAMP
	3763751	SK BINDER
	3330941	EARTH SPRING
⚠EANT	2427366	ANTENNA SWITCH ASB-321A
⚠EF901	2720221	FUSE HOLDER
M	2665272	4P PLUG PIN WITH BASE
P	2902266	7P SUB MINI PLUG PIN
PX	2661752	PLUG PIN
SC	2983061	2P PUSH TARMINAL
SOUT	2673861	4P PUSH TERMINAL
SR	2902263	4P SUB MINI PLUG PIN
T	2902263	4P SUB MINI PLUG PIN
W	2661753	PIN PLUG WITH BASE
Z	2663821	2P PLUG PIN
DL3001	2791101	DELAY LINE
DL3002	2794201	DELAY LINE
⚠E1	2972521	POWER CORD
⚠E201	2982471	300-75 VHF ADAPTER
⚠E3001	2983082	OP PIN JACK WITH S TERMINAL
⚠E3002	2673004	3P PIN JACK
⚠E3003	2983098	8P PIN JACK
⚠E3004	2673602	3P PIN JACK
⚠E301	2573443	REMOTE CONTROL TRANSMITTER CLU-660PR (HHEA MD)
E603	2772211	MAGNET PIECE
E801	2953344	CPT SOCKET

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SYSMBOL NO.	PART NO.	DESCRIPTION	SYSMBOL NO.	PART NO.	DESCRIPTION
E952	3772201	AC CORD HOLDER			
⚠RL901	2641221	POWER RELAY			
SG401	2340741	SPARK GAP			
SG851	2340037	SPARK GAP			
SG901	2340741	SPARK GAP			
⚠S101	2414871	SPEAKER (HHEA MD)			
⚠SP451	2412646	SPEAKER (HHEA MD)			
⚠SP452	2412646	SPEAKER (HHEA MD)			
⚠SP453	2410794	SPEAKER (HHEA MD)			
⚠SP454	2410794	SPEAKER (HHEA MD)			
TH651	2340371	THERMISTOR 112301-9			
⚠TH901	2341261	THERMISTOR			
⚠U0101	2574761	REMOTE CONTROL RECEIVER SPS-409-1G			
U0102	2390031	LUMINESCENT MPY-7H69			
U0501	2575452	P IN P UNIT (HHEA MD)			
⚠U101	2429342	FRONTEND V8-A51FT			
W101	2668895	SPEAKER CORD (HHEA MD)			
X501	2791502	CRYSTAL			

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